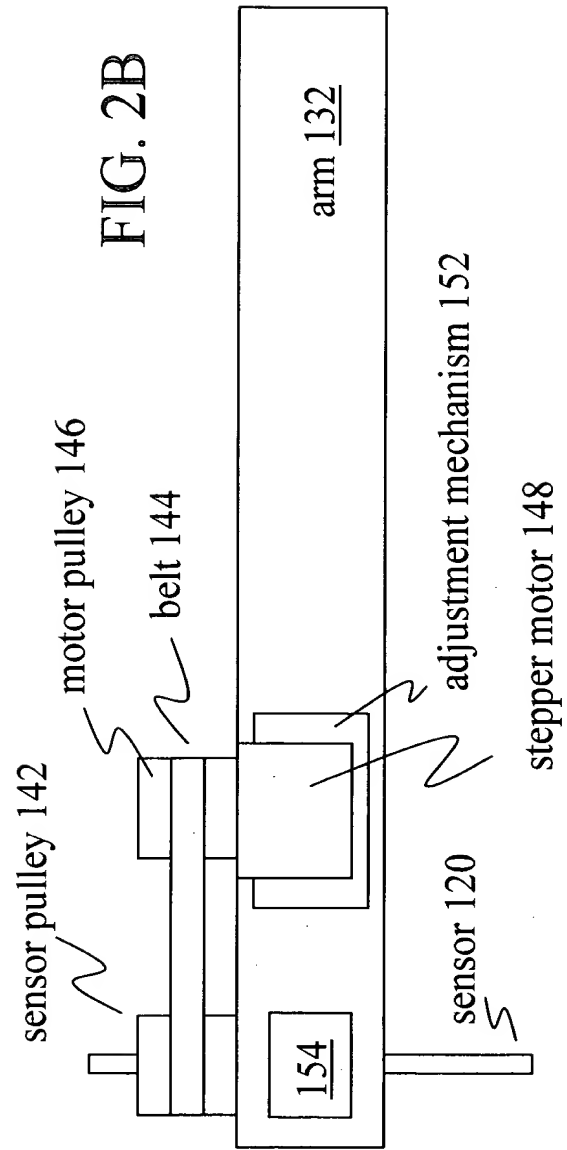
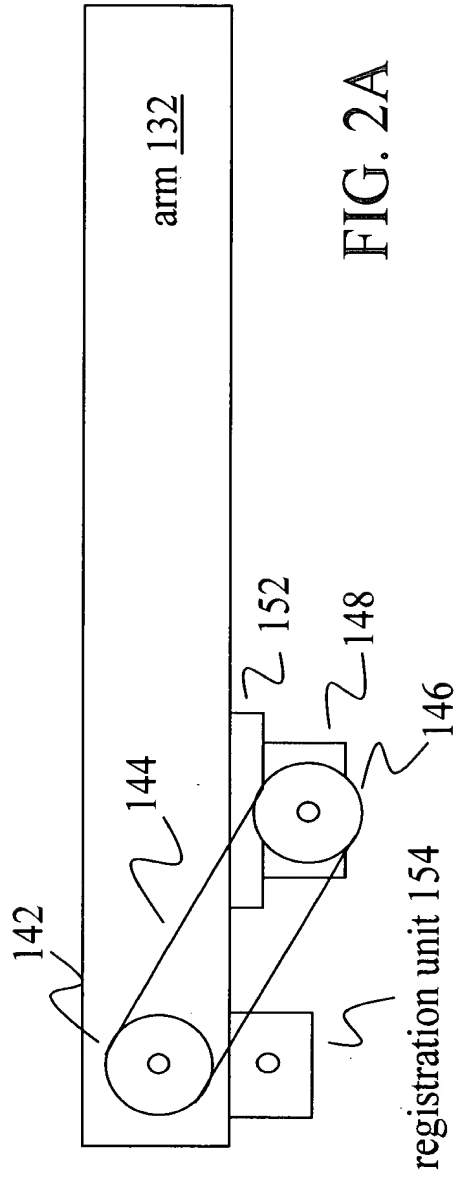


FIG. 1



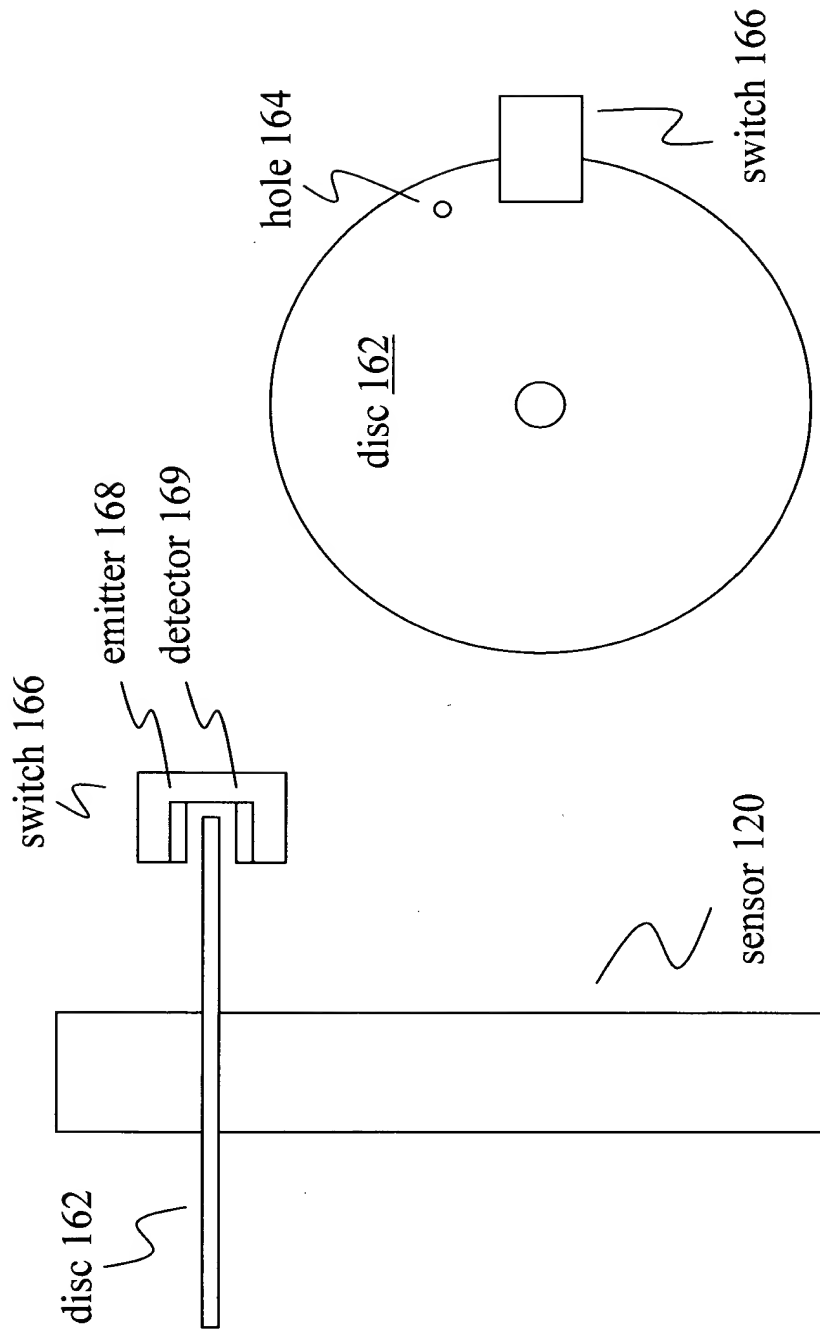


FIG. 3A

FIG. 3B

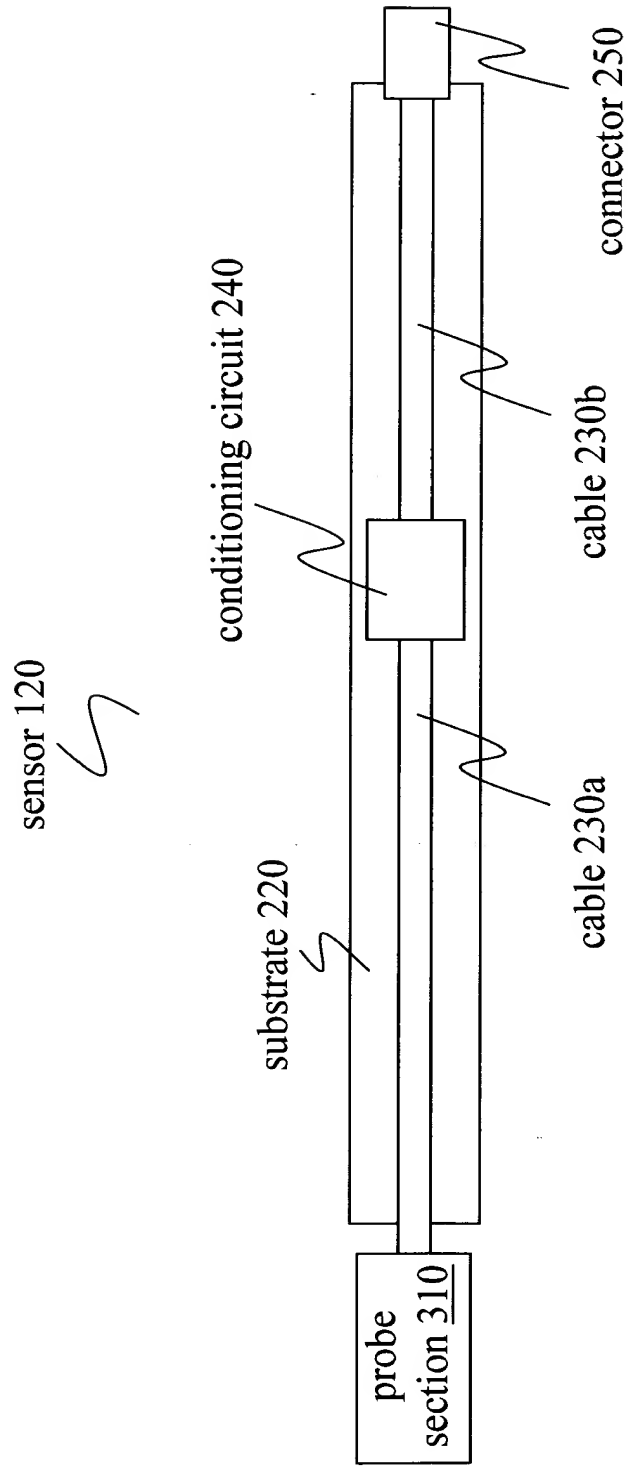


FIG. 4



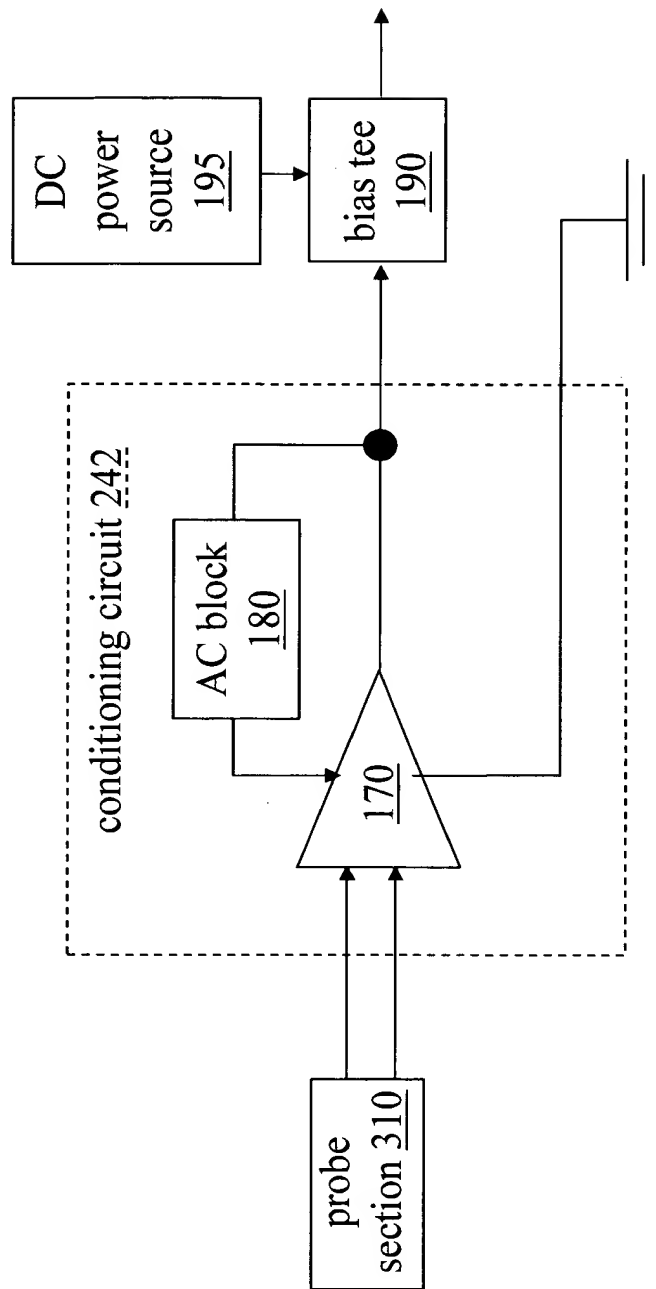


FIG. 5

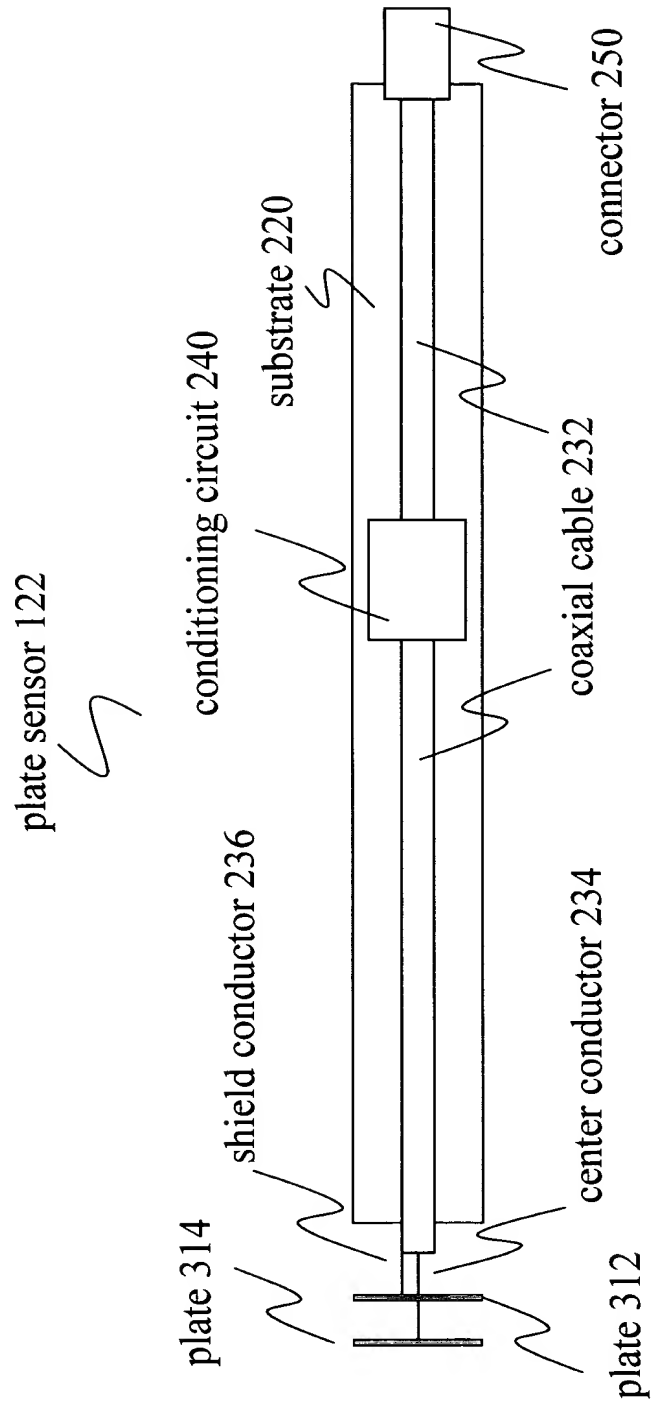
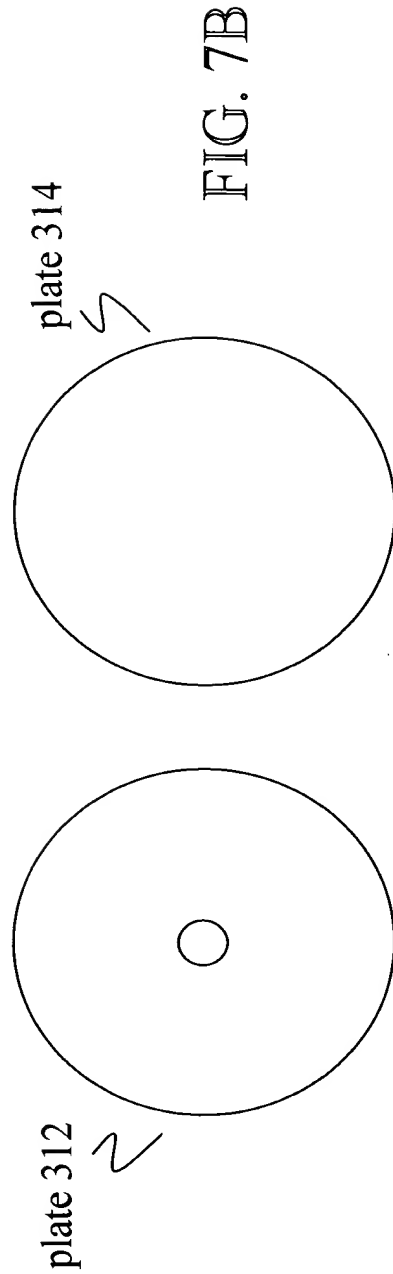
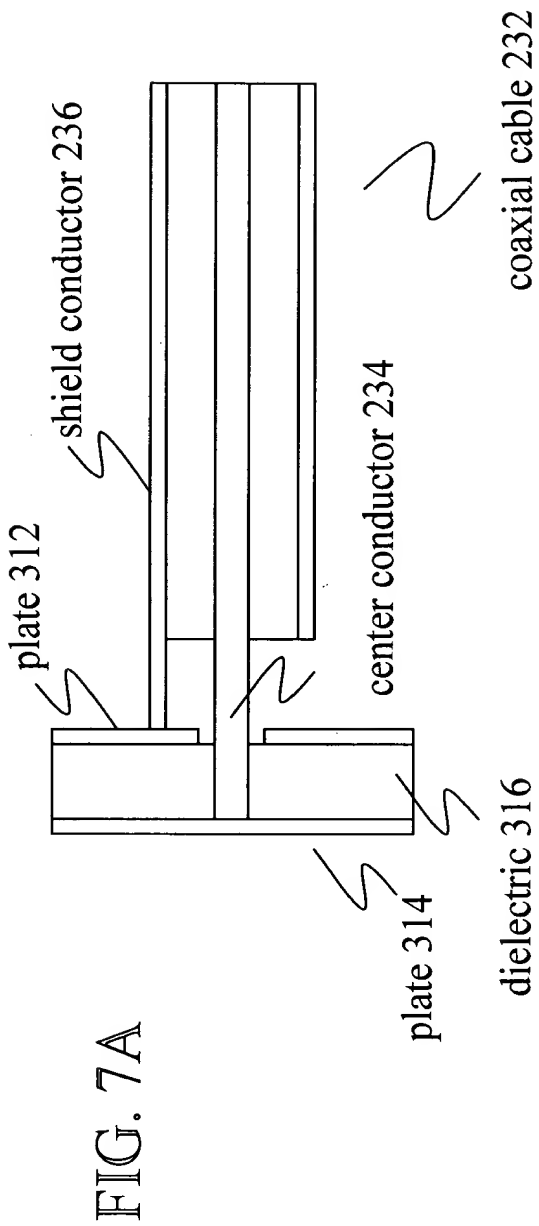
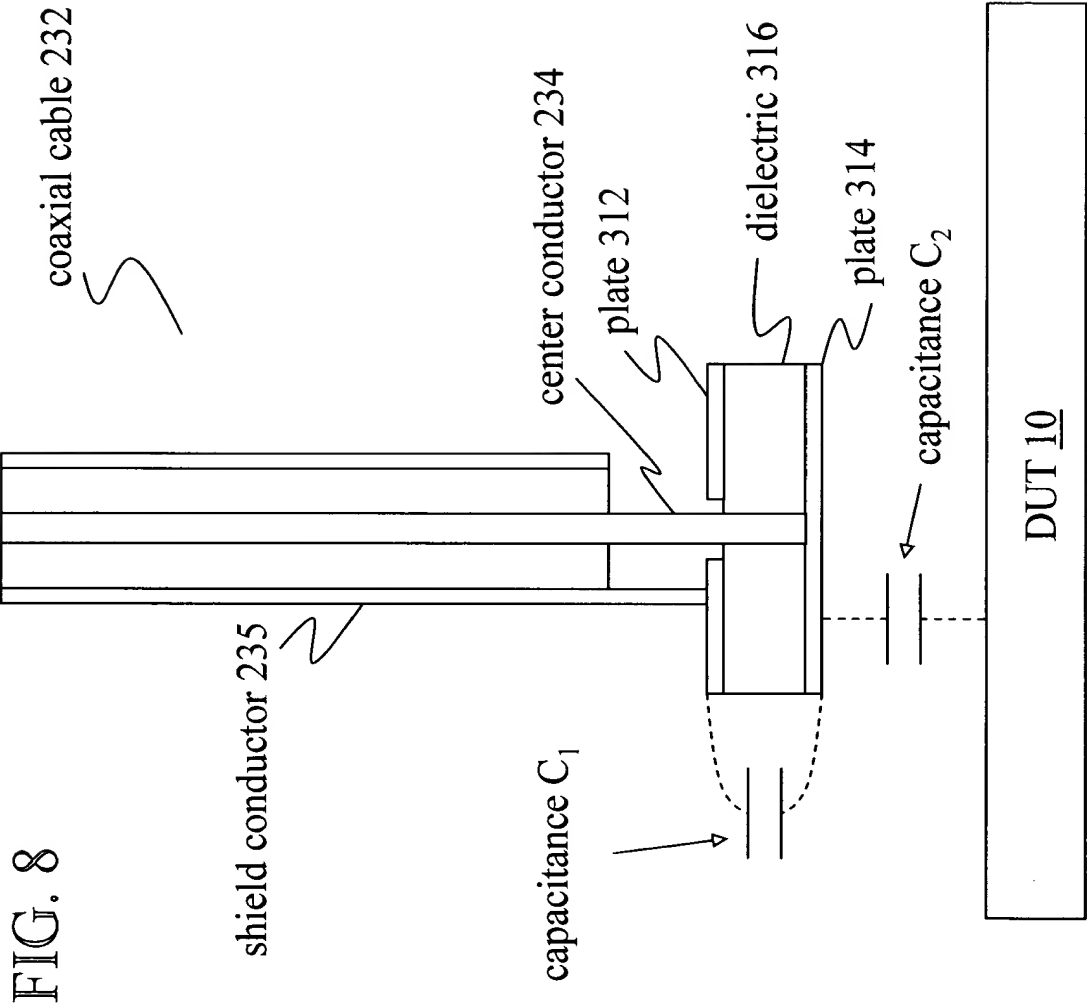
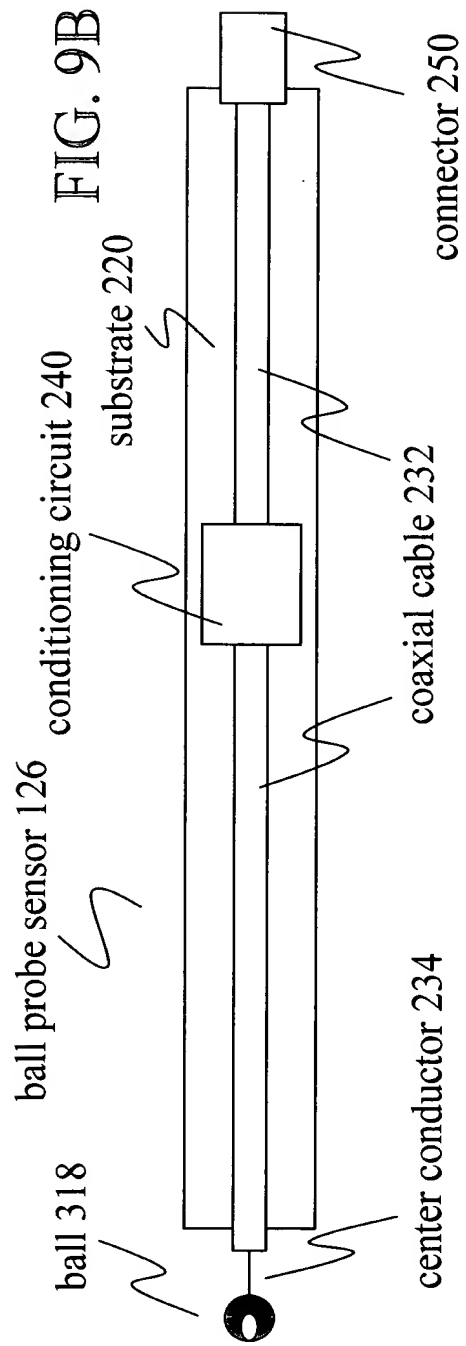
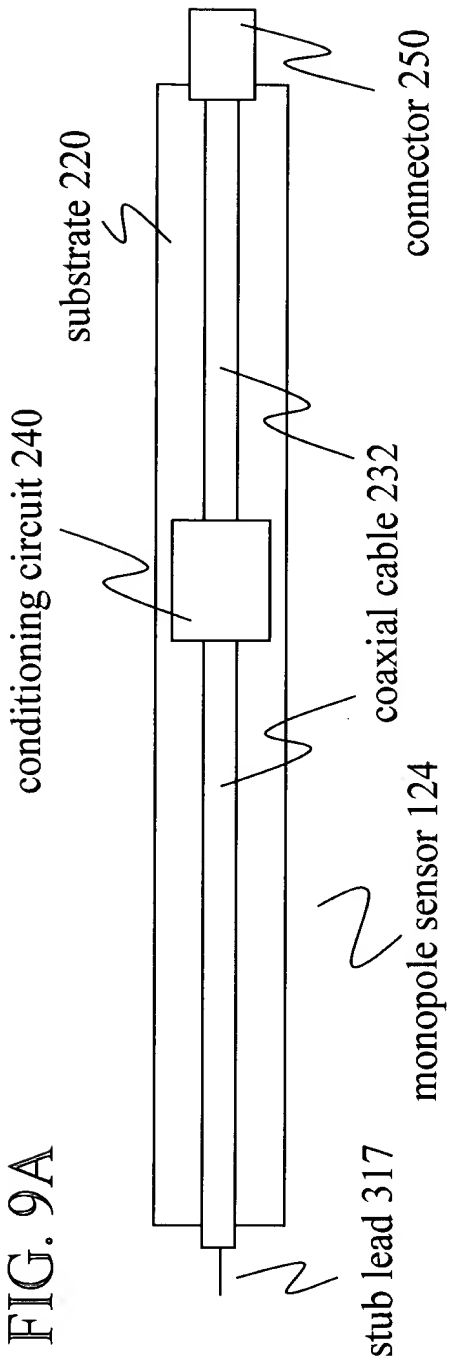
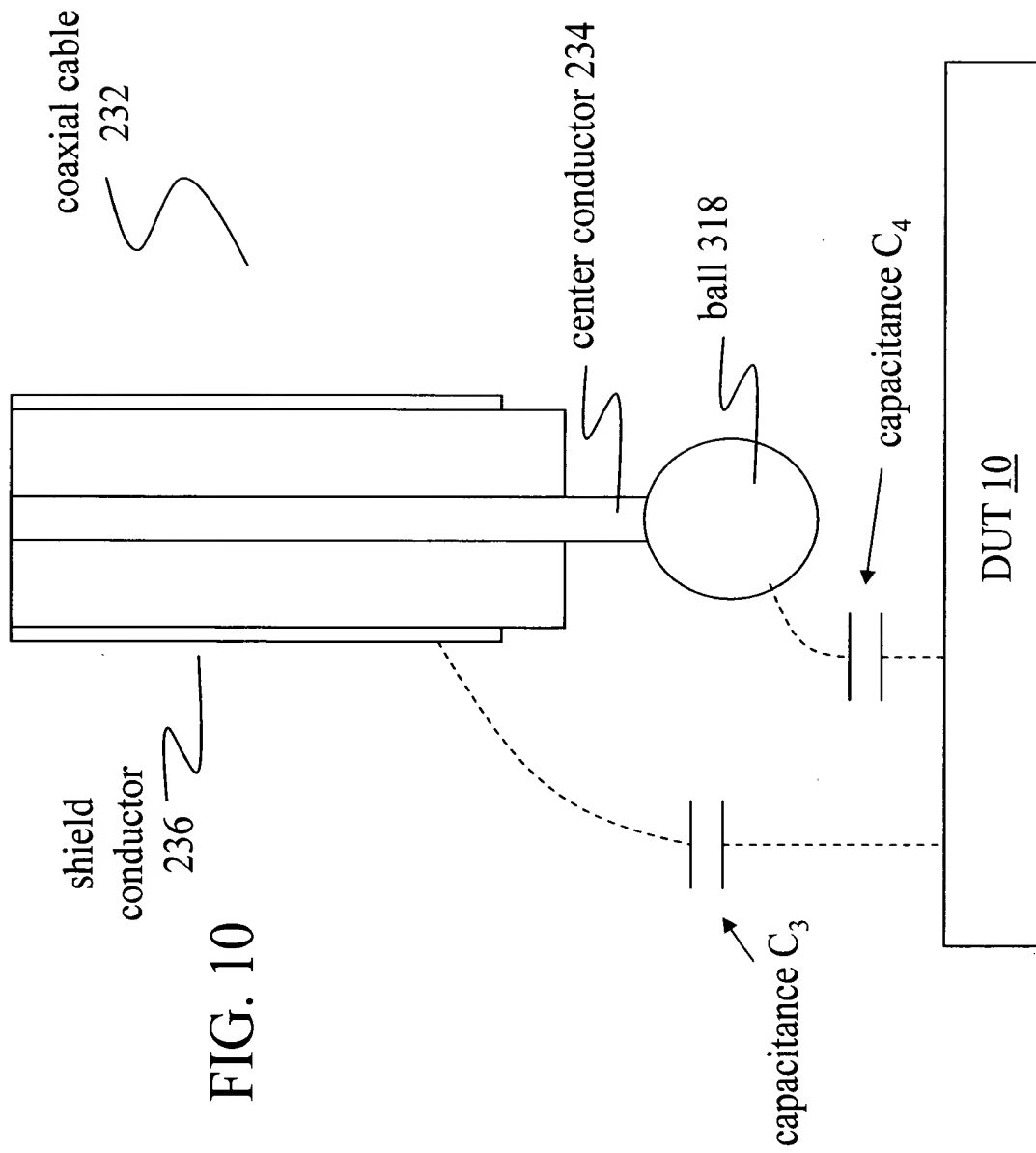


FIG. 6









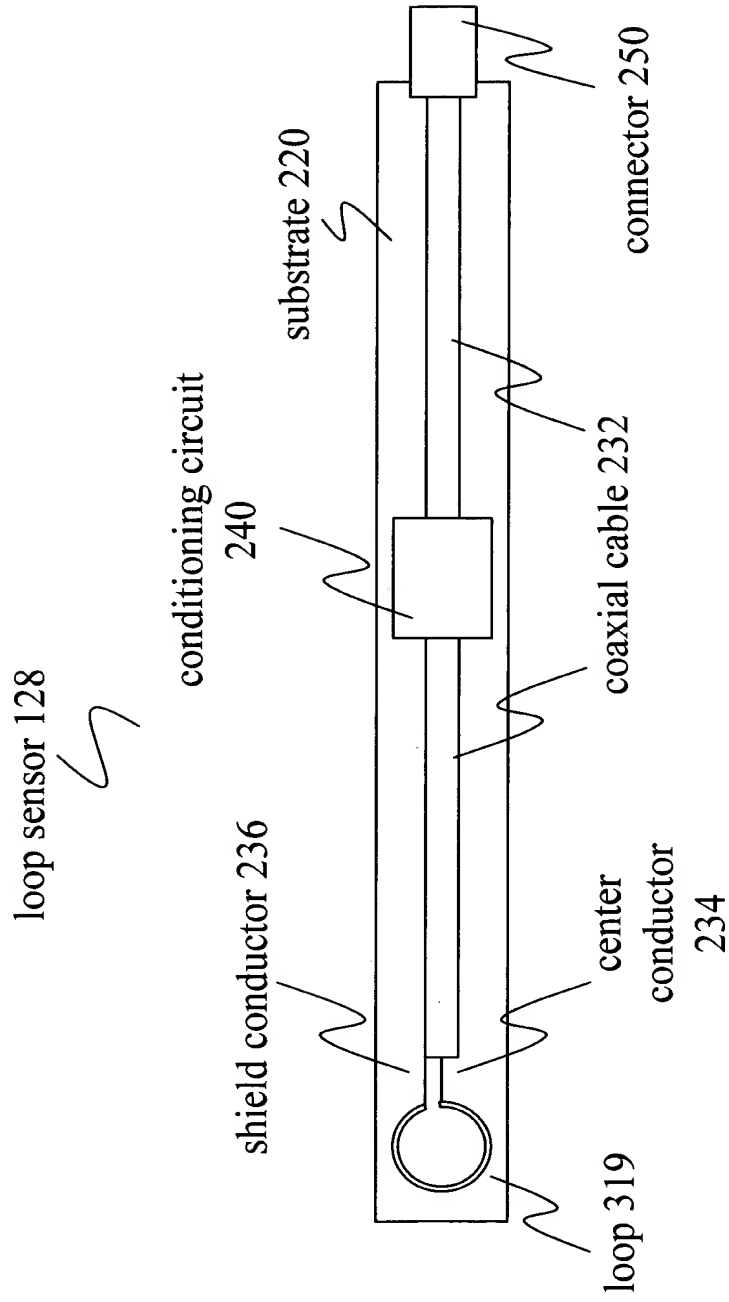


FIG. 11

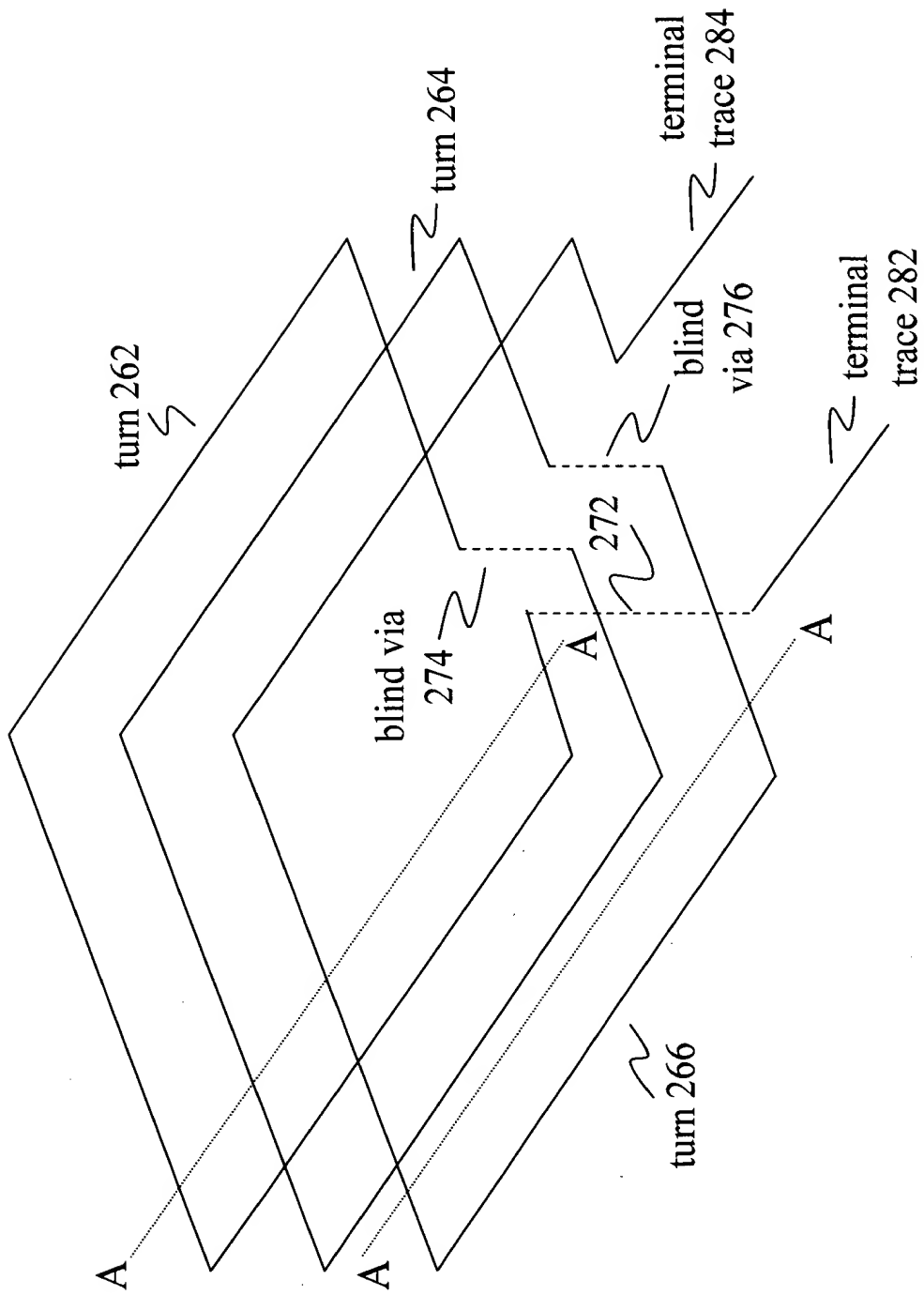


FIG. 12



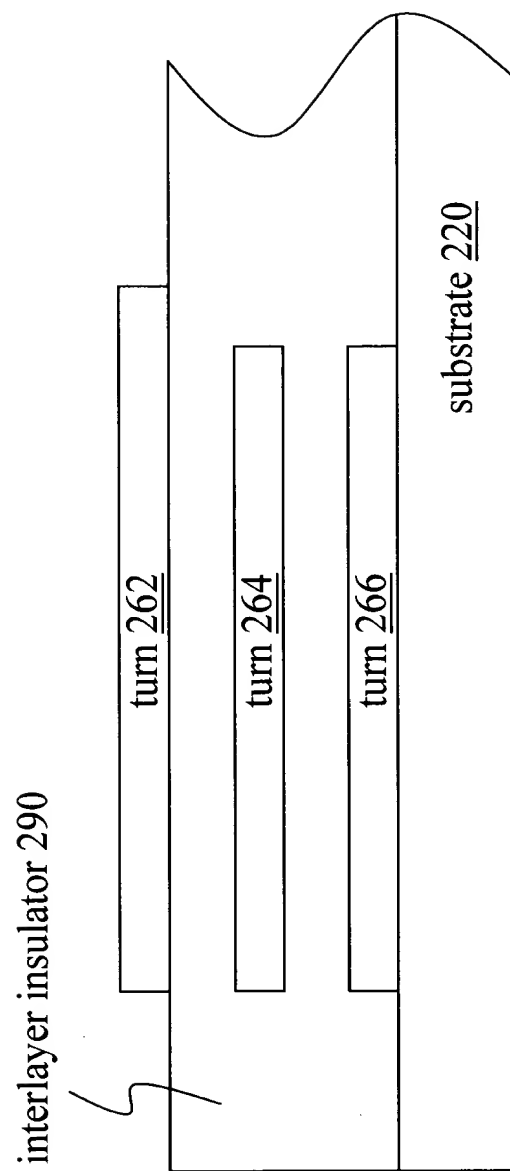


FIG. 13

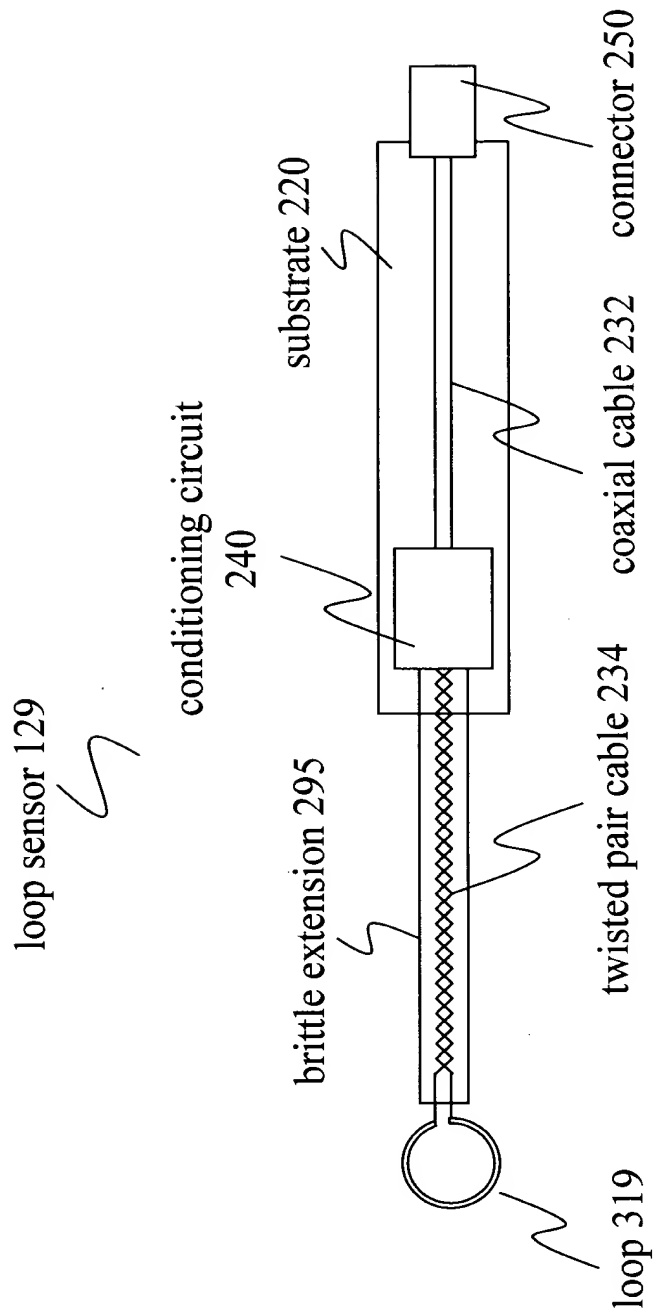


FIG. 14

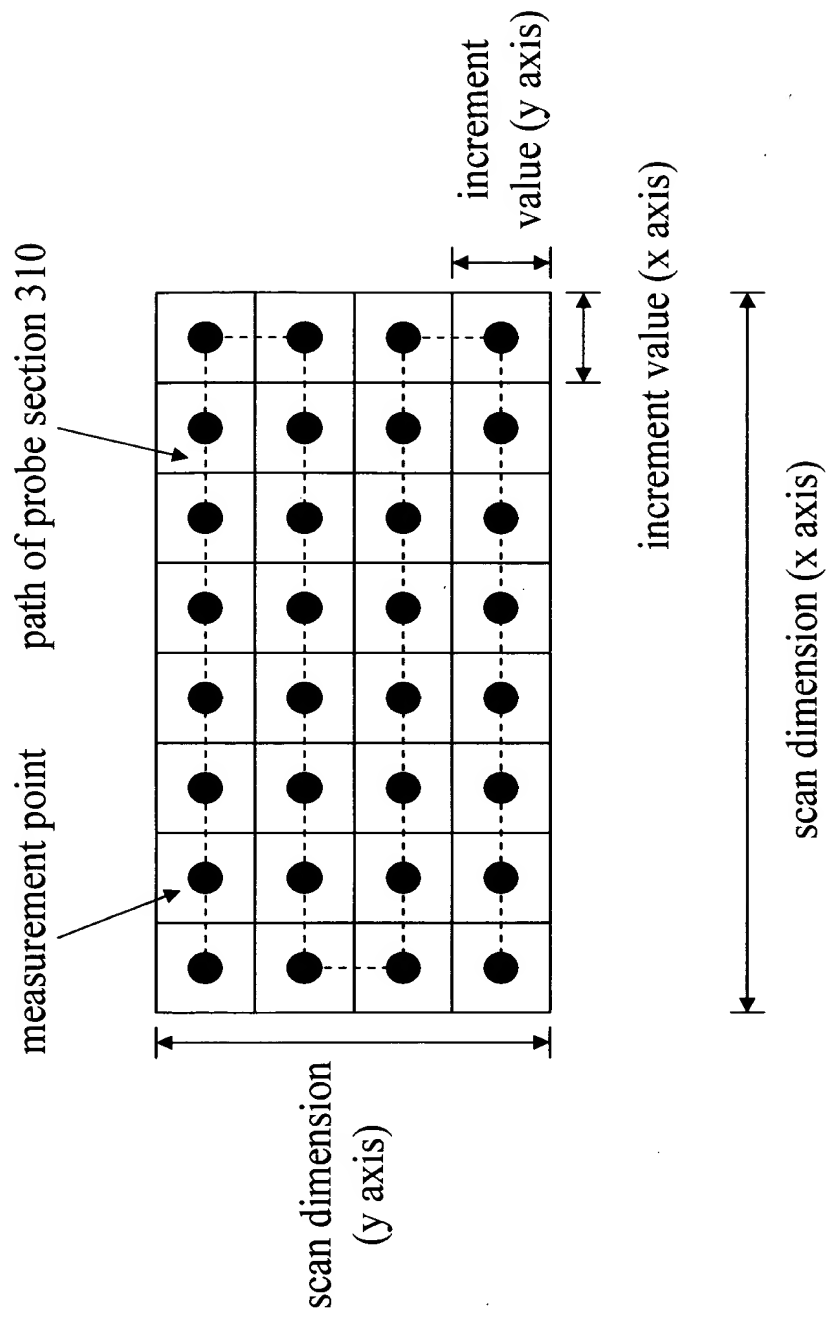


FIG. 15

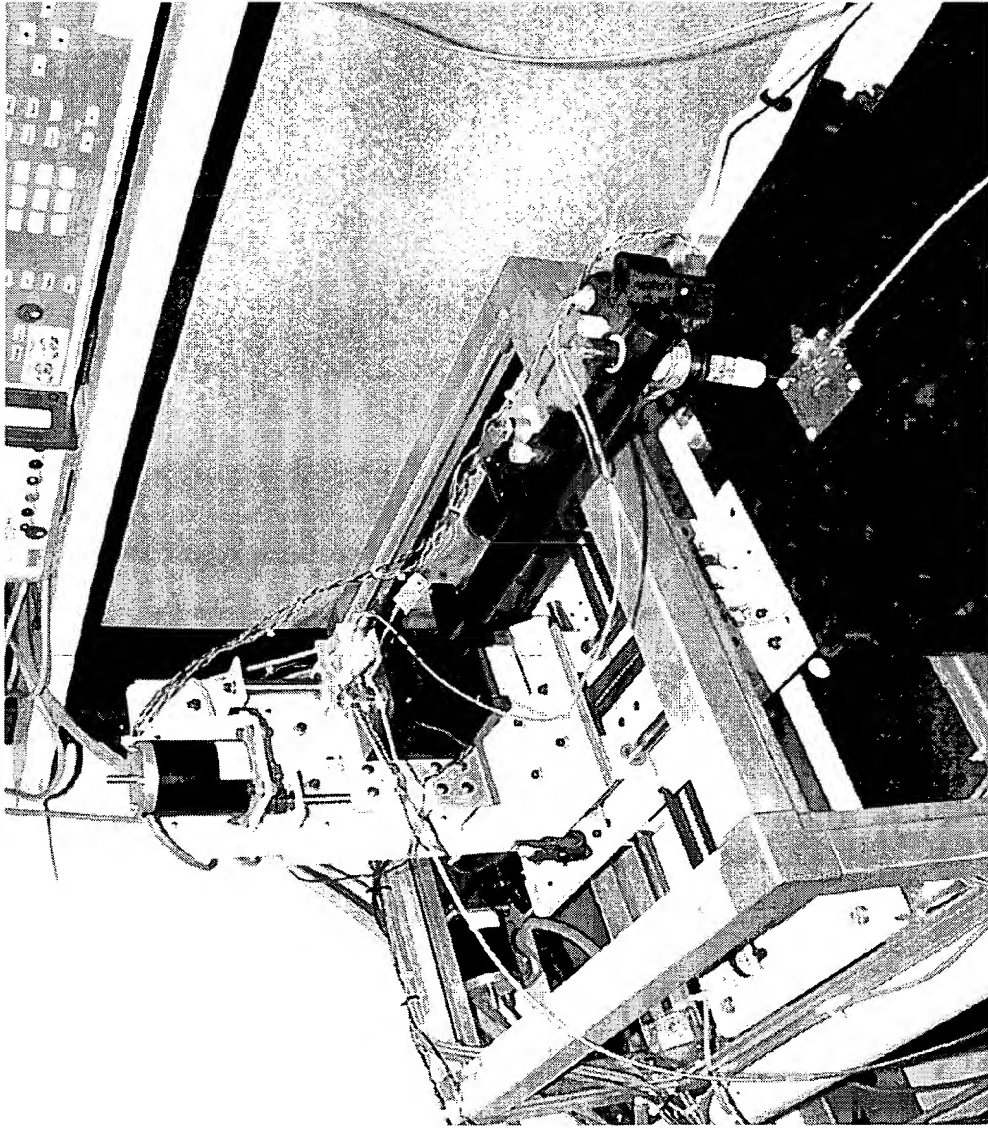


FIG. 16

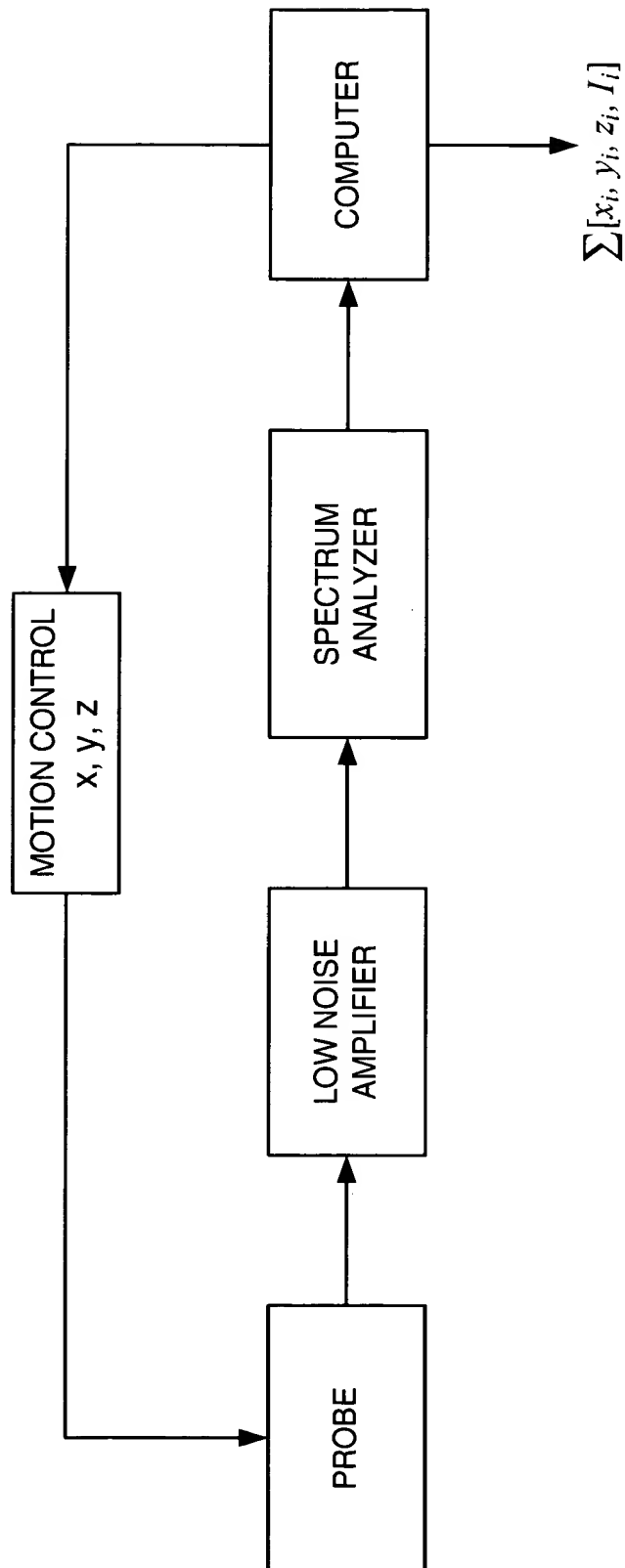


FIG. 17

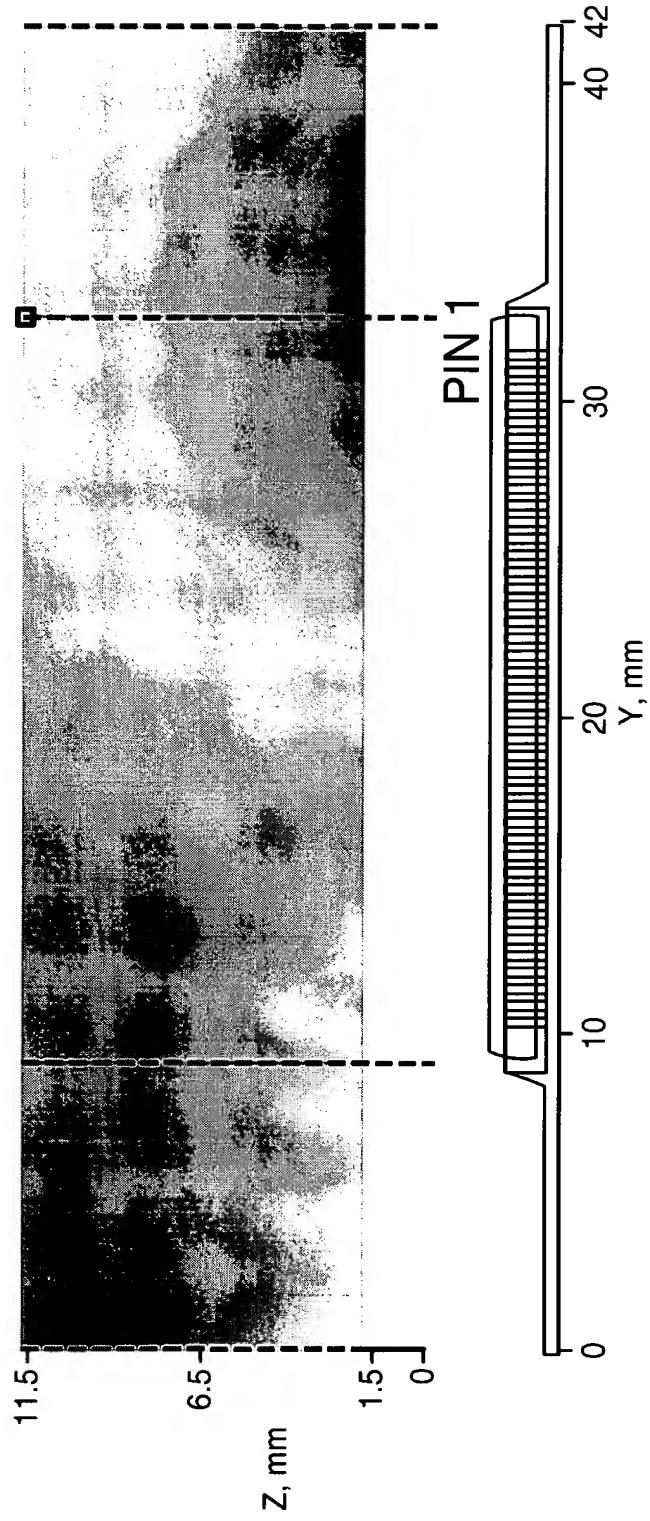


FIG. 18

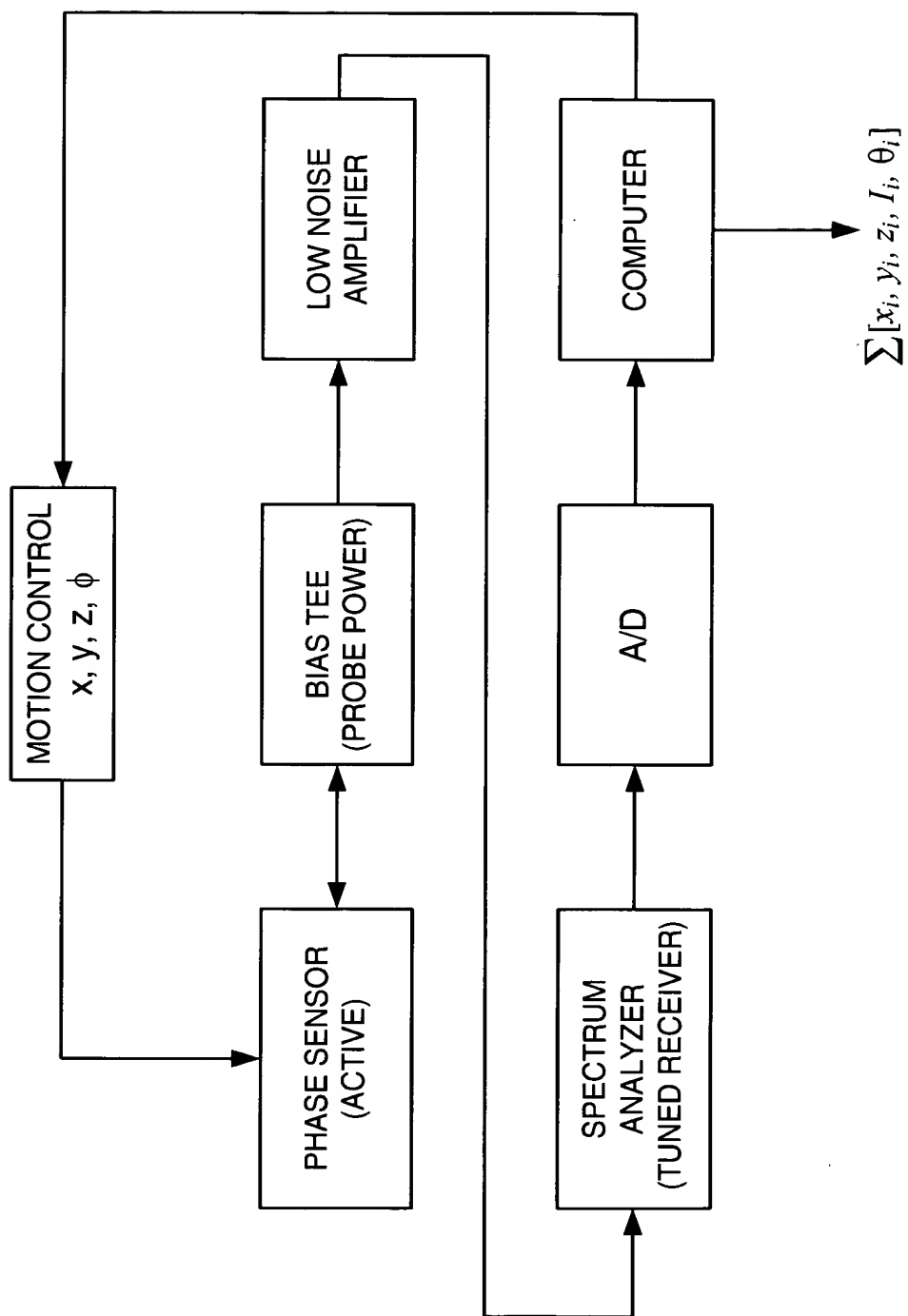


FIG. 19

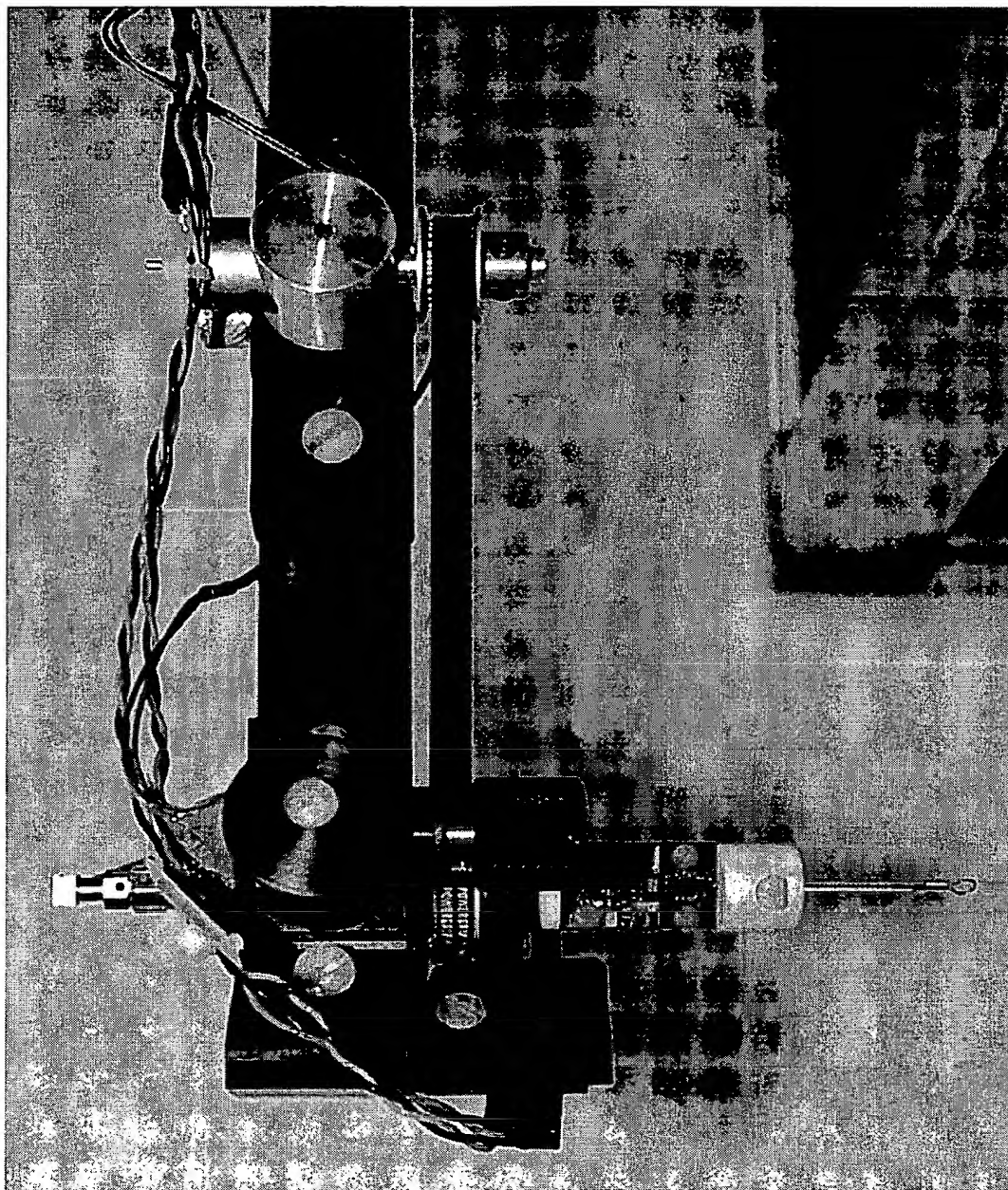


FIG. 20



11/16/99 - Micro stripline is terminated in 50 ohms. Frequency: 1000 MHz  
 Probe Type: Magnetic Field. Measurement Increments: dx: 1.94 mm, dy: 1.97 mm, dz: 0 mm  
 Number of Planes: 1, at 14.52 mm above DUT. Magnetic Field Intensity Unit: dB uA/m.

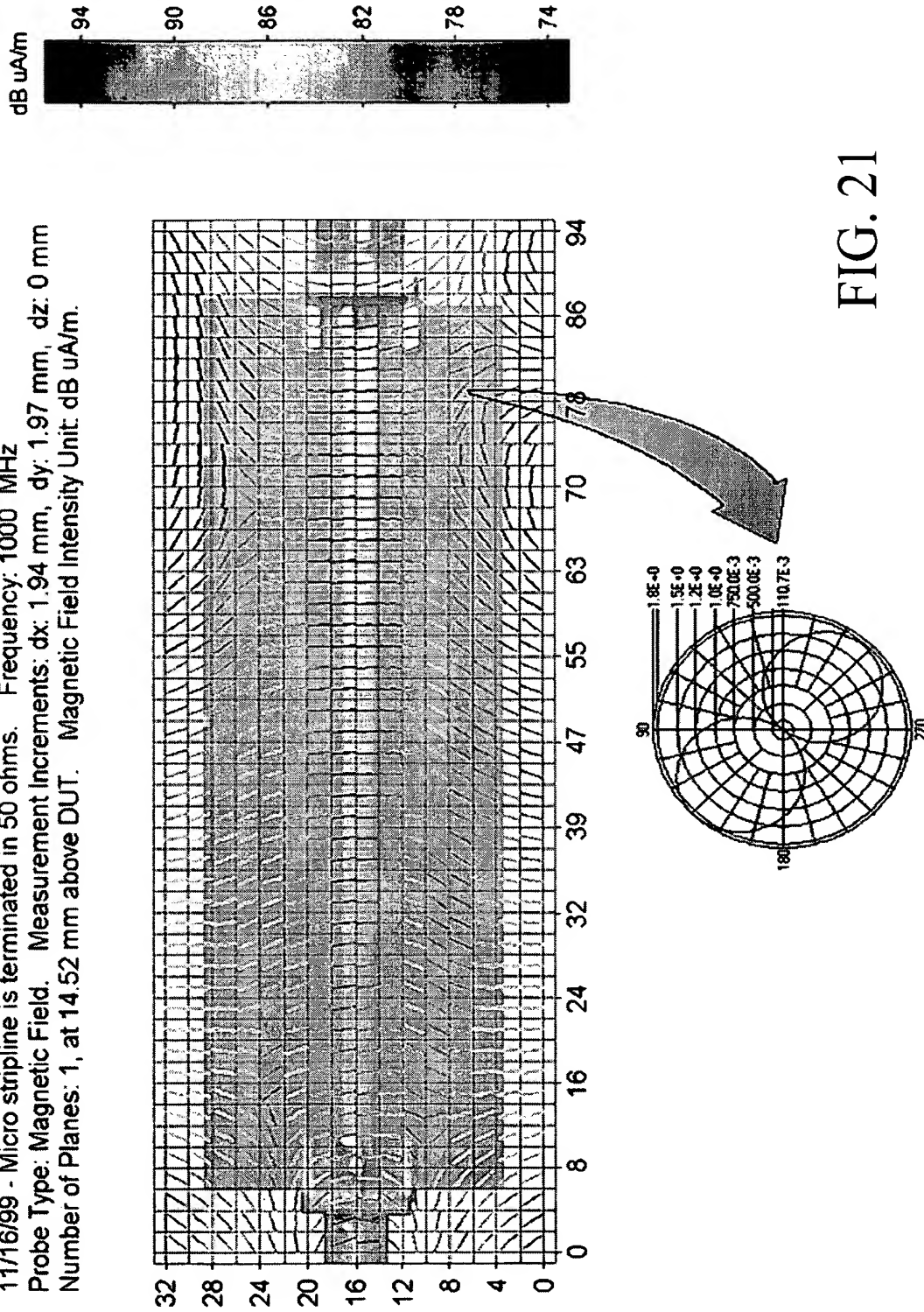


FIG. 21

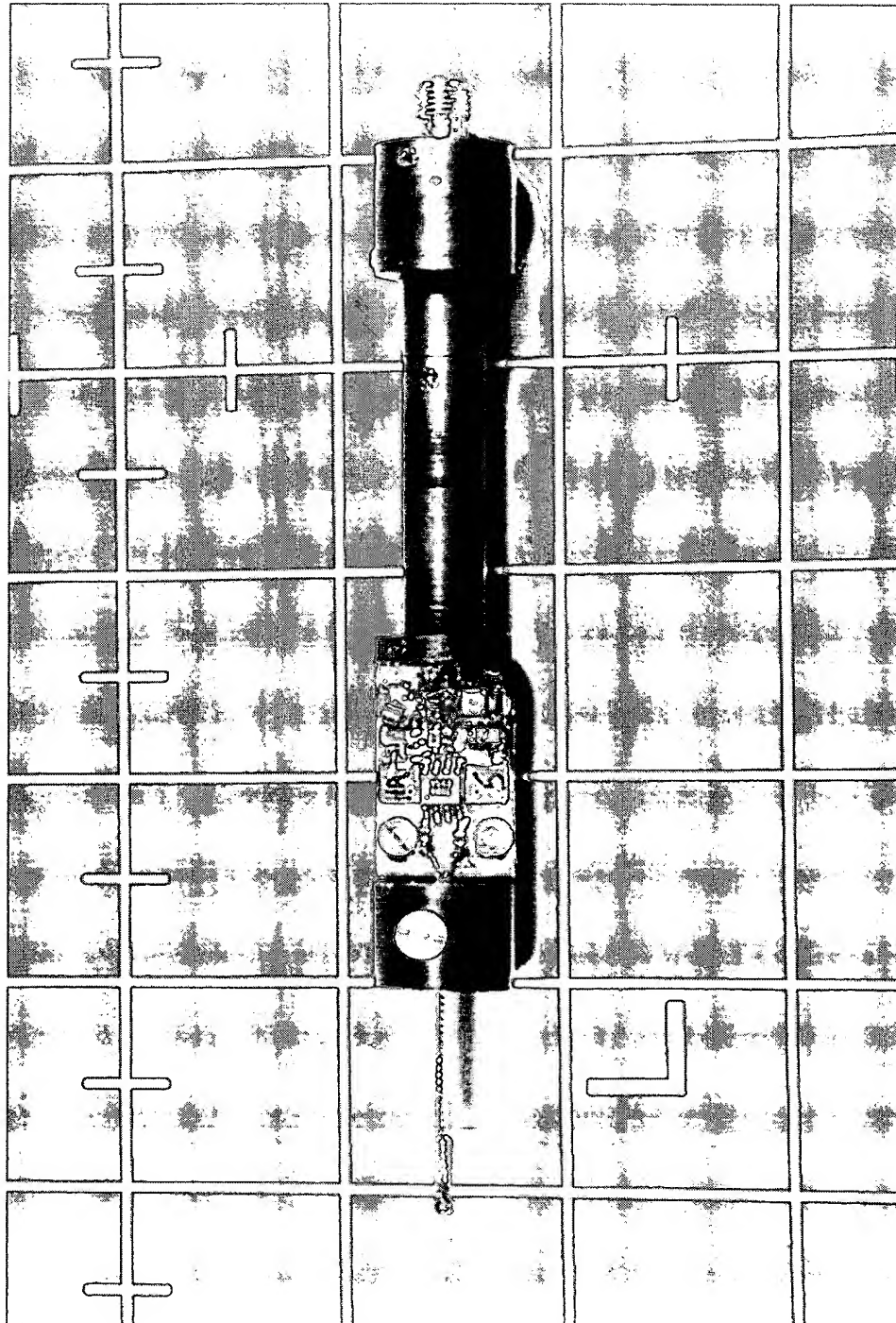


FIG. 22

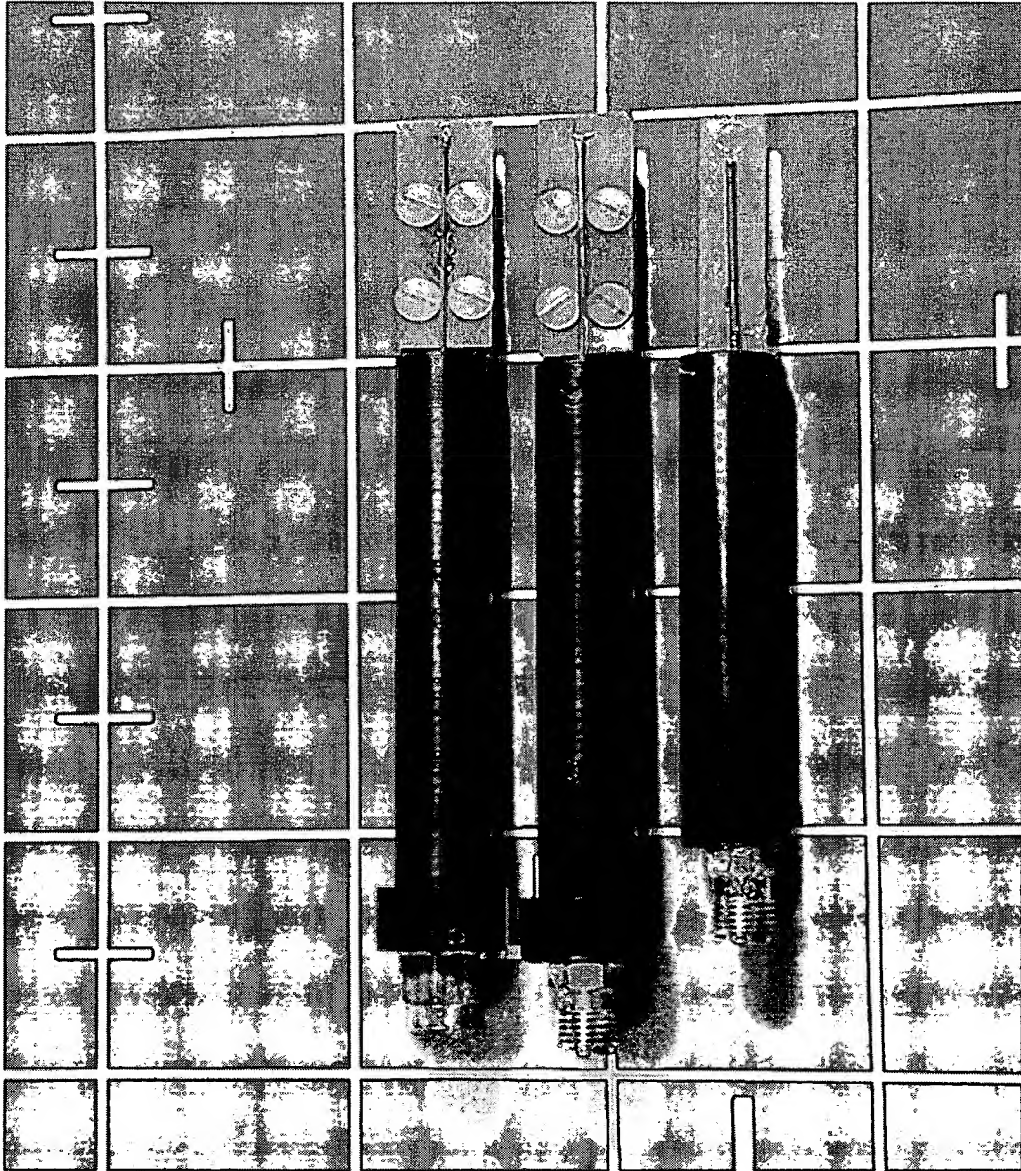


FIG. 23

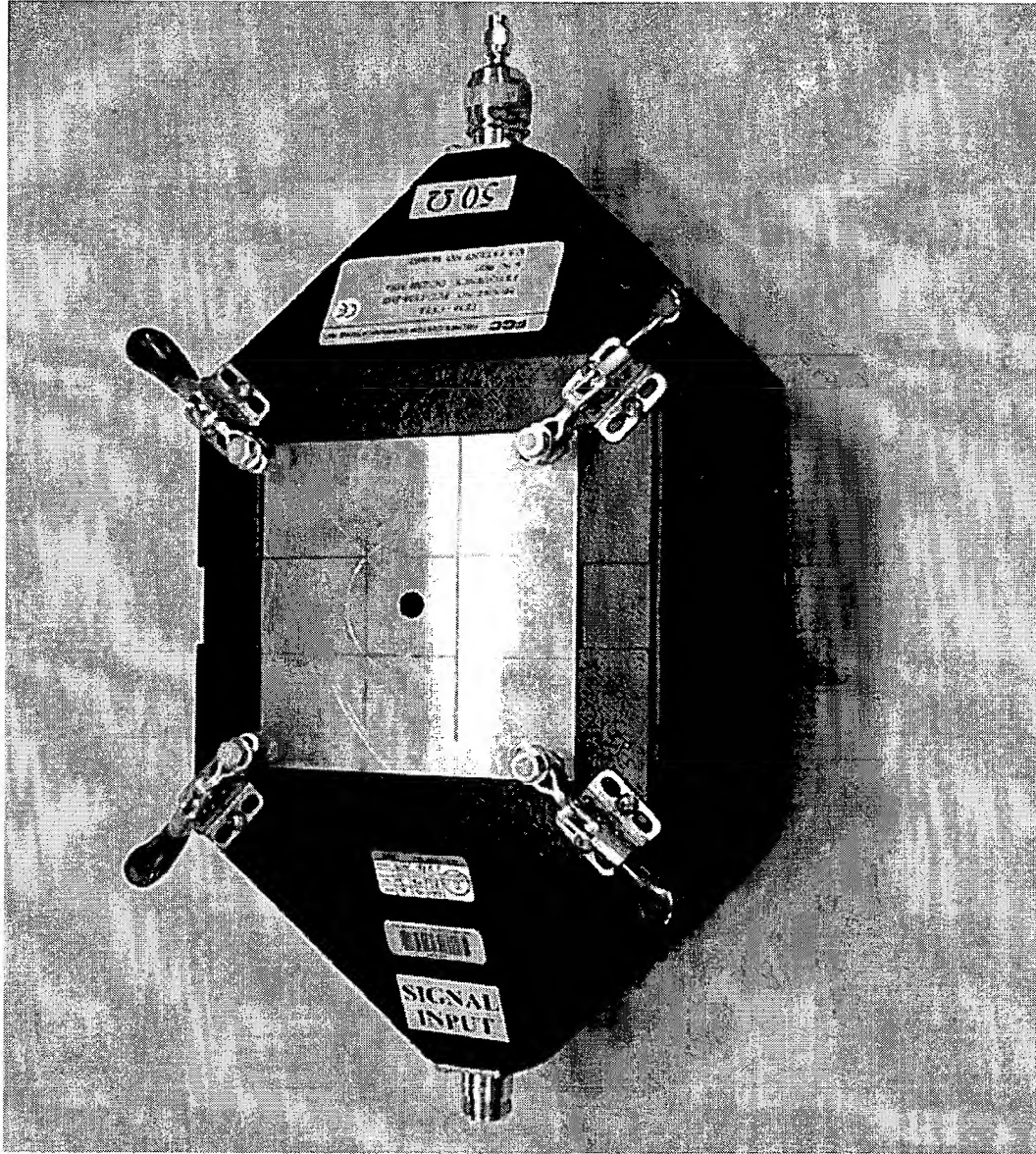


FIG. 24

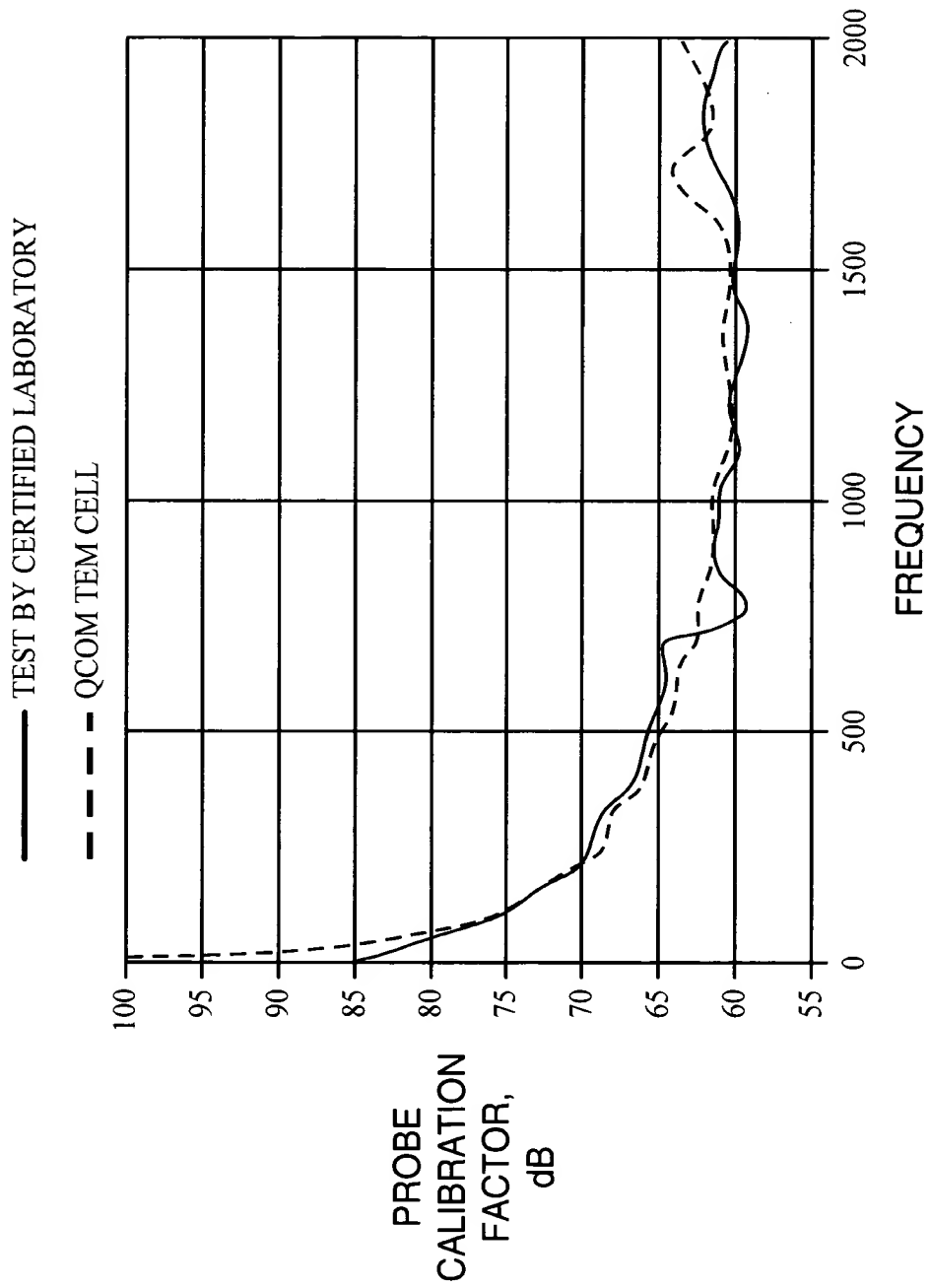


FIG. 25



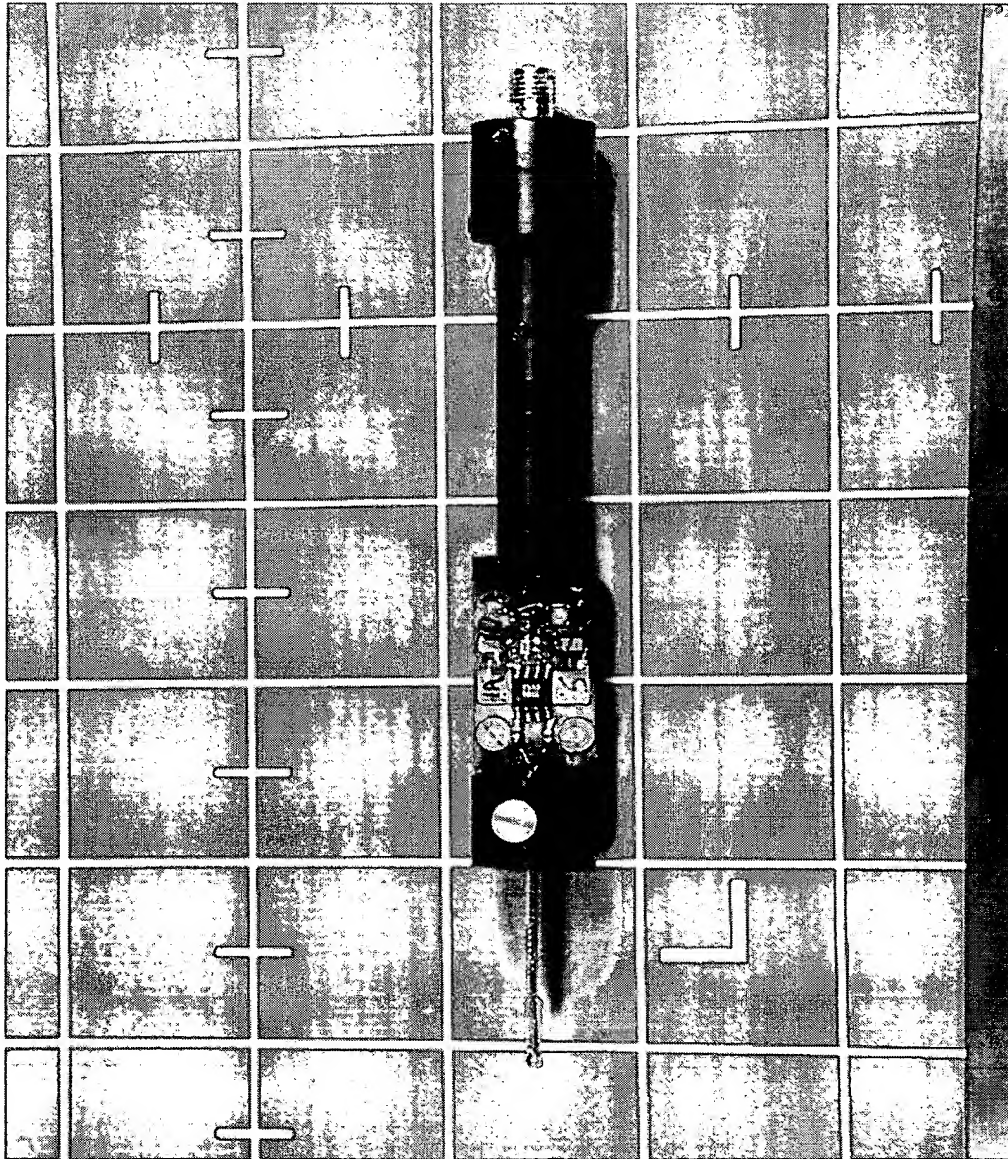


FIG. 26

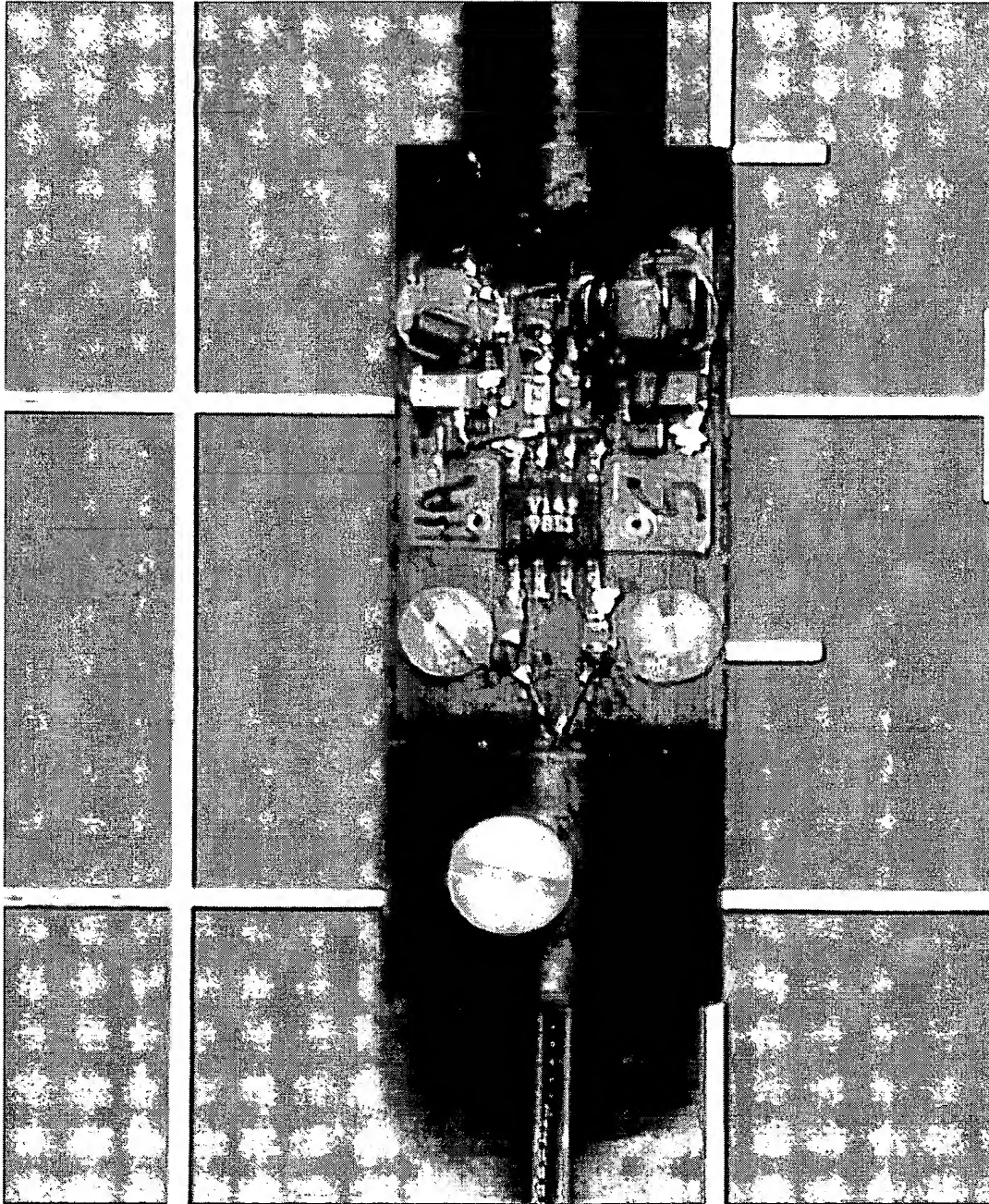


FIG. 27

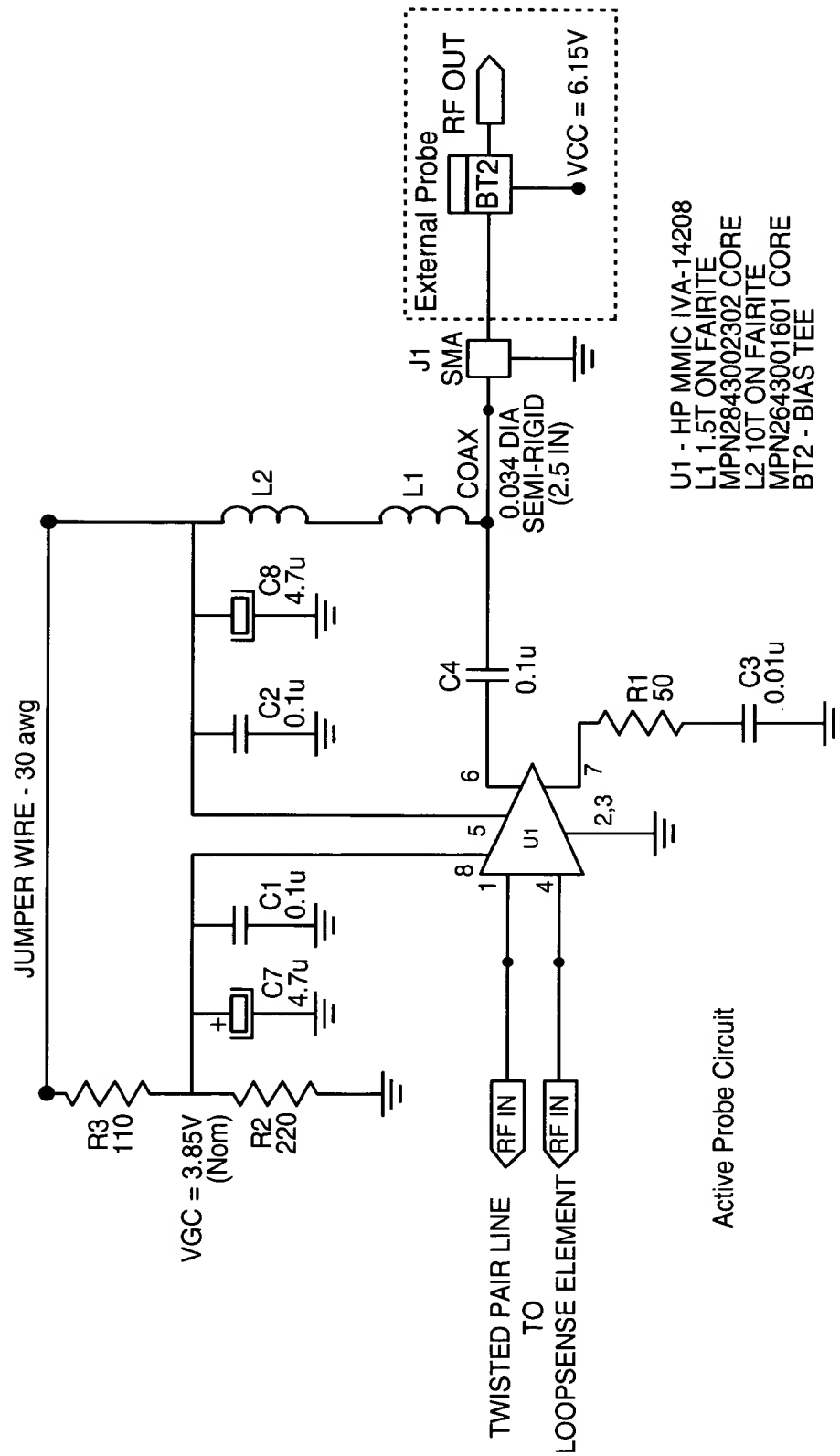


FIG. 28



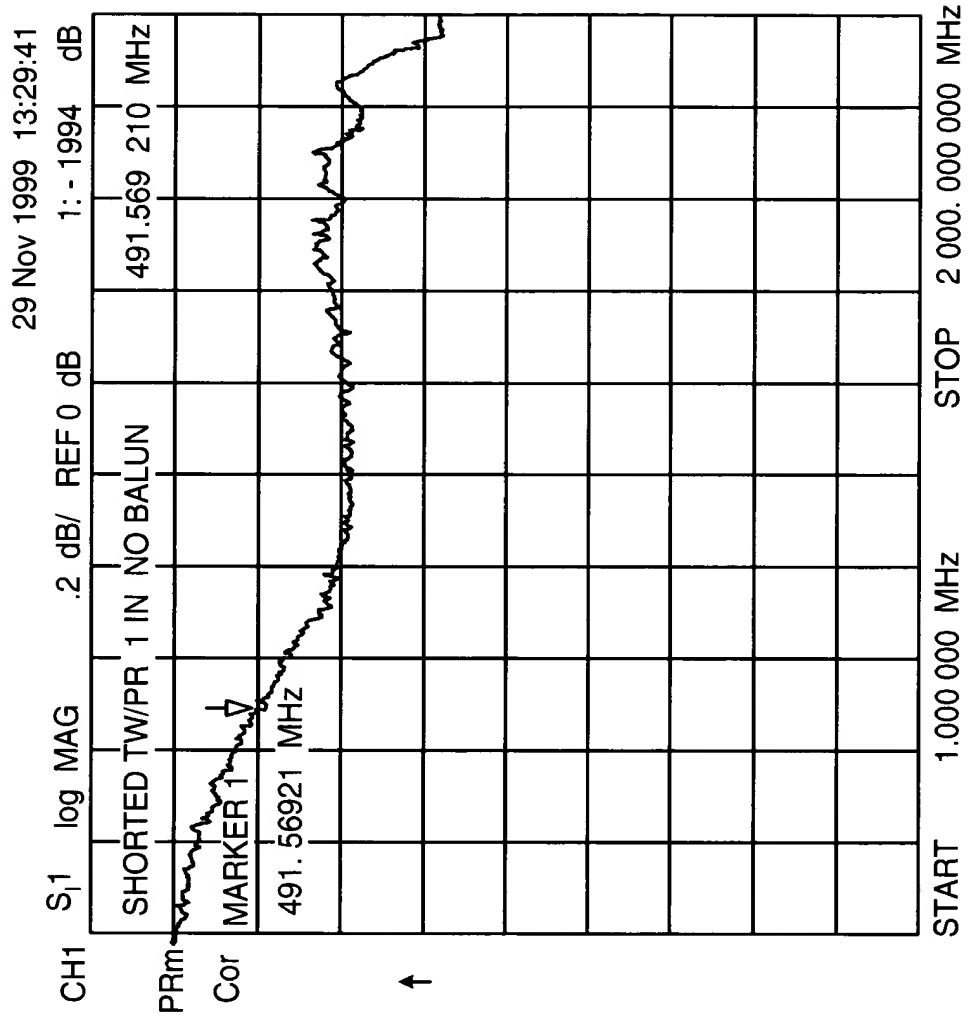


FIG. 29

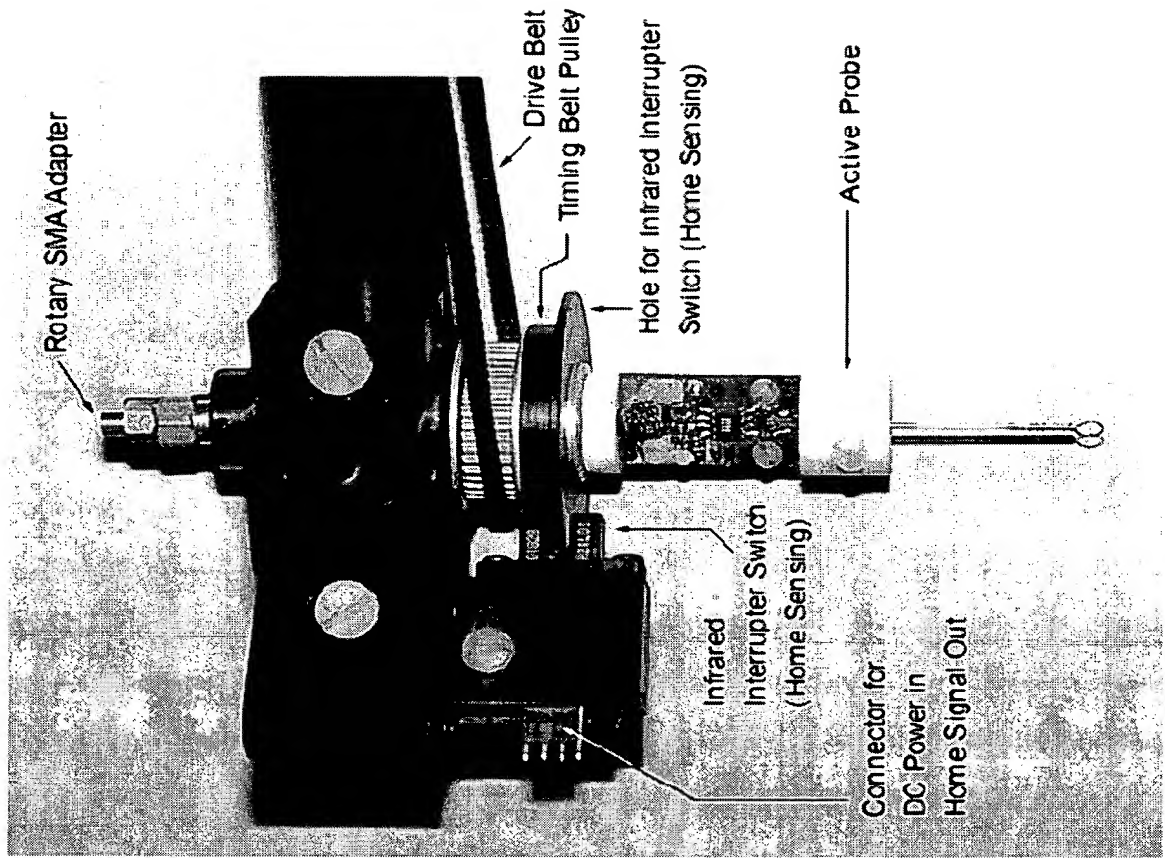


FIG. 30

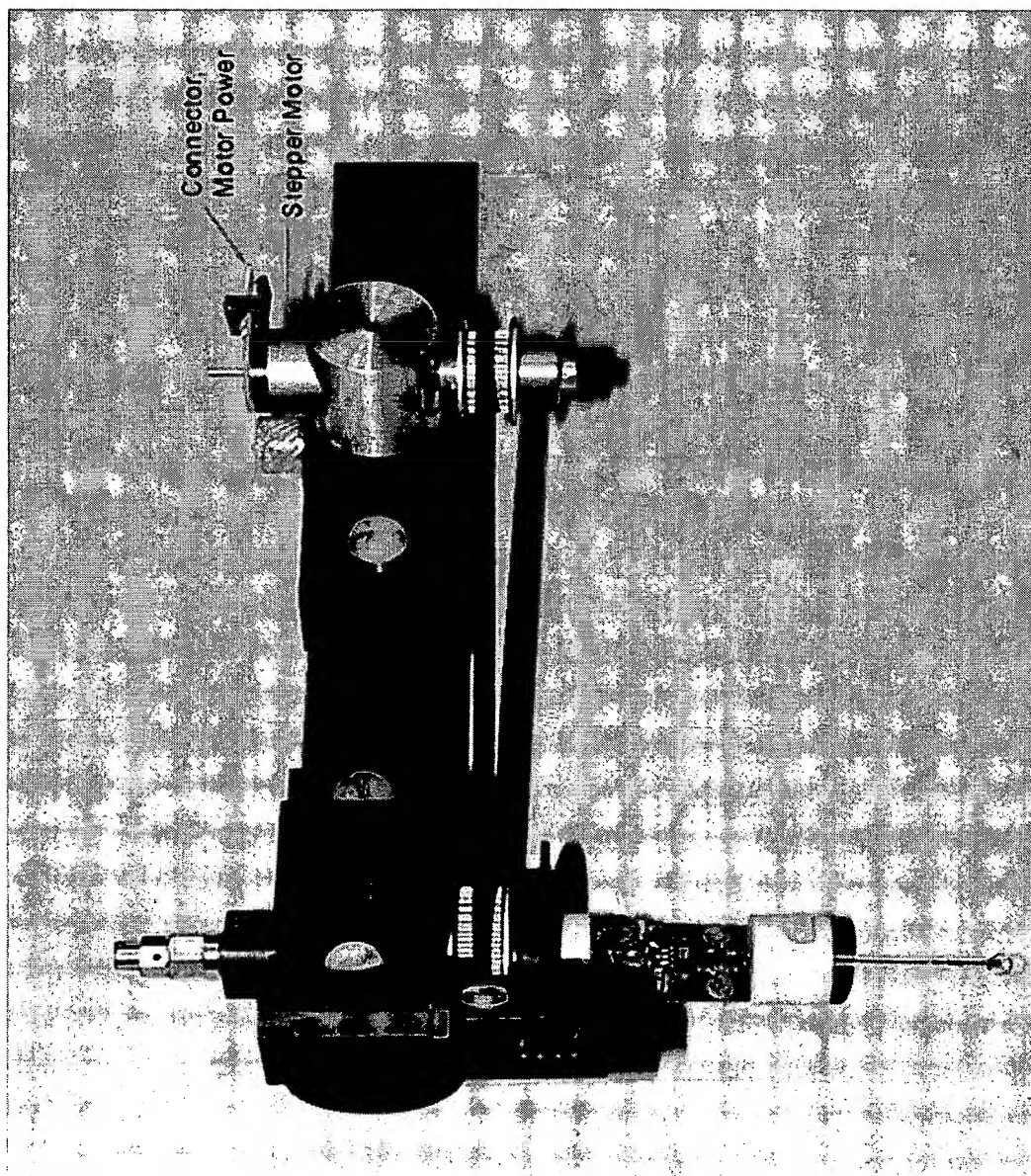


FIG. 31

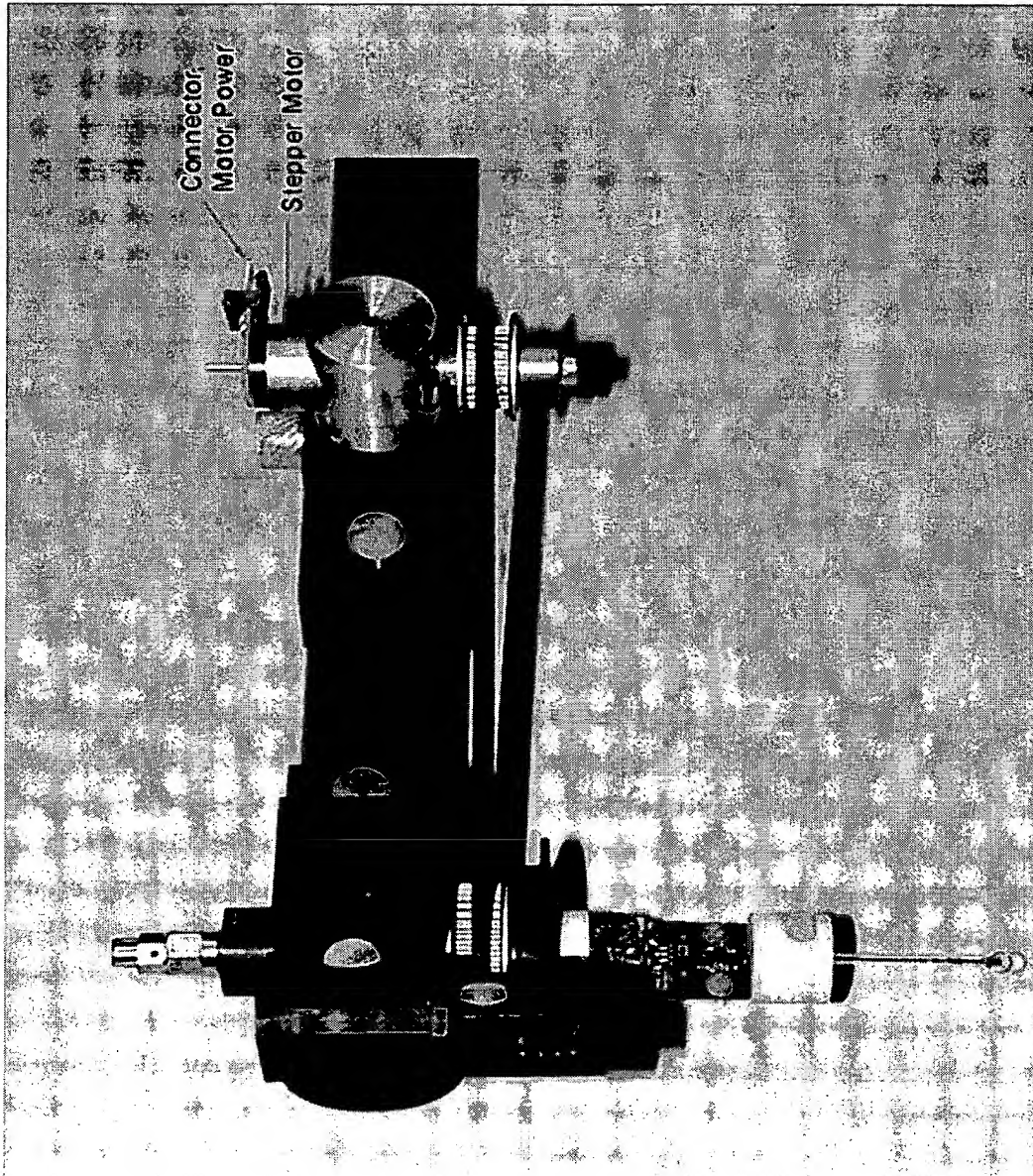


FIG. 32

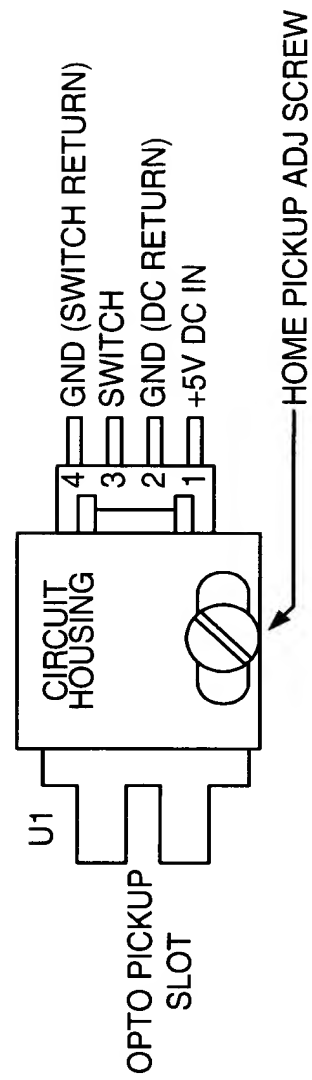
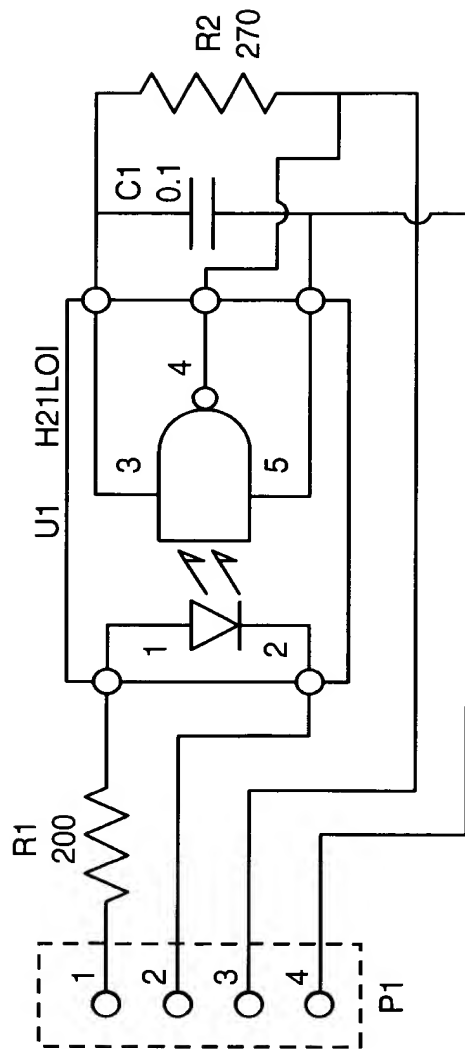


FIG. 33

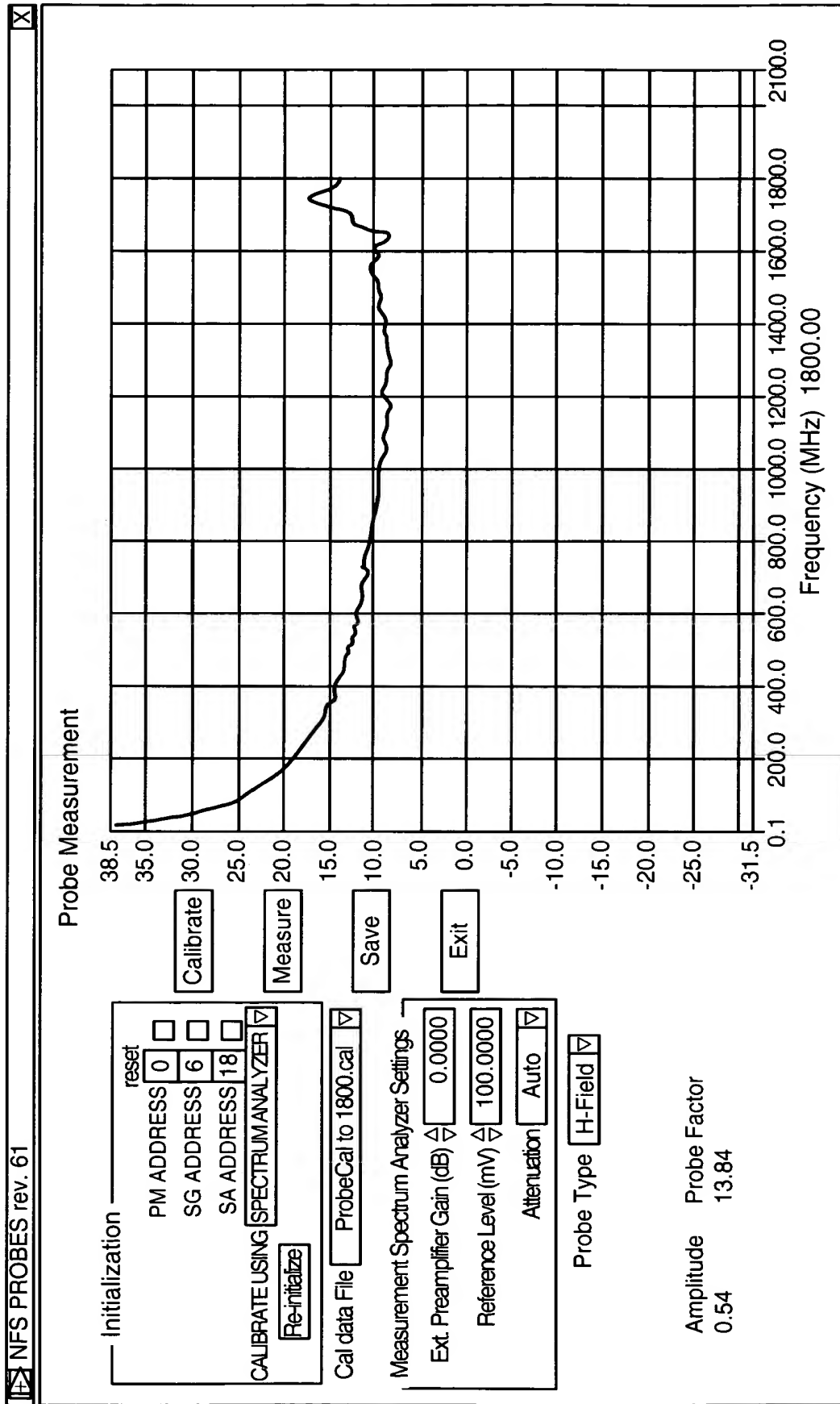


FIG. 34

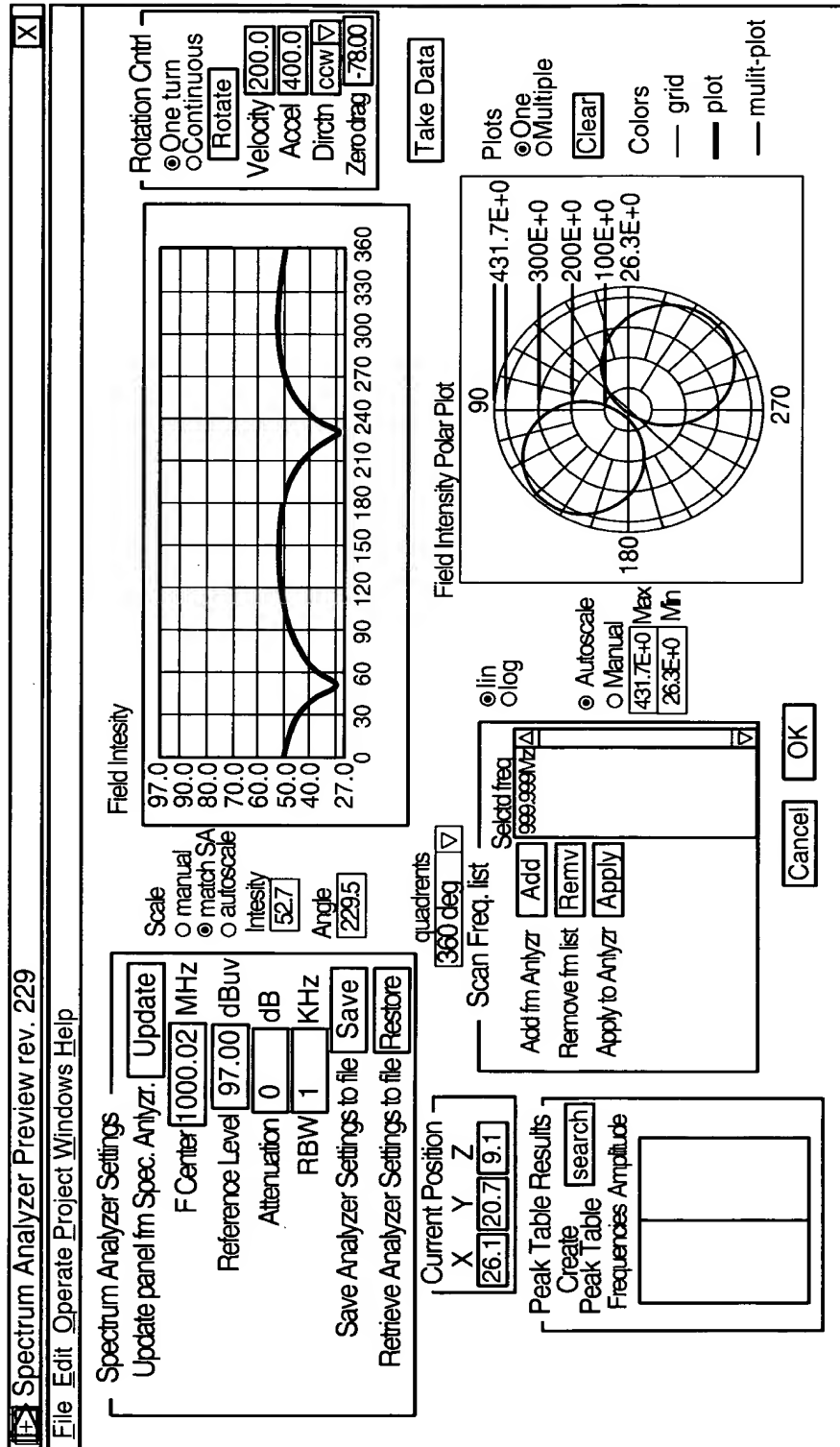


FIG. 35

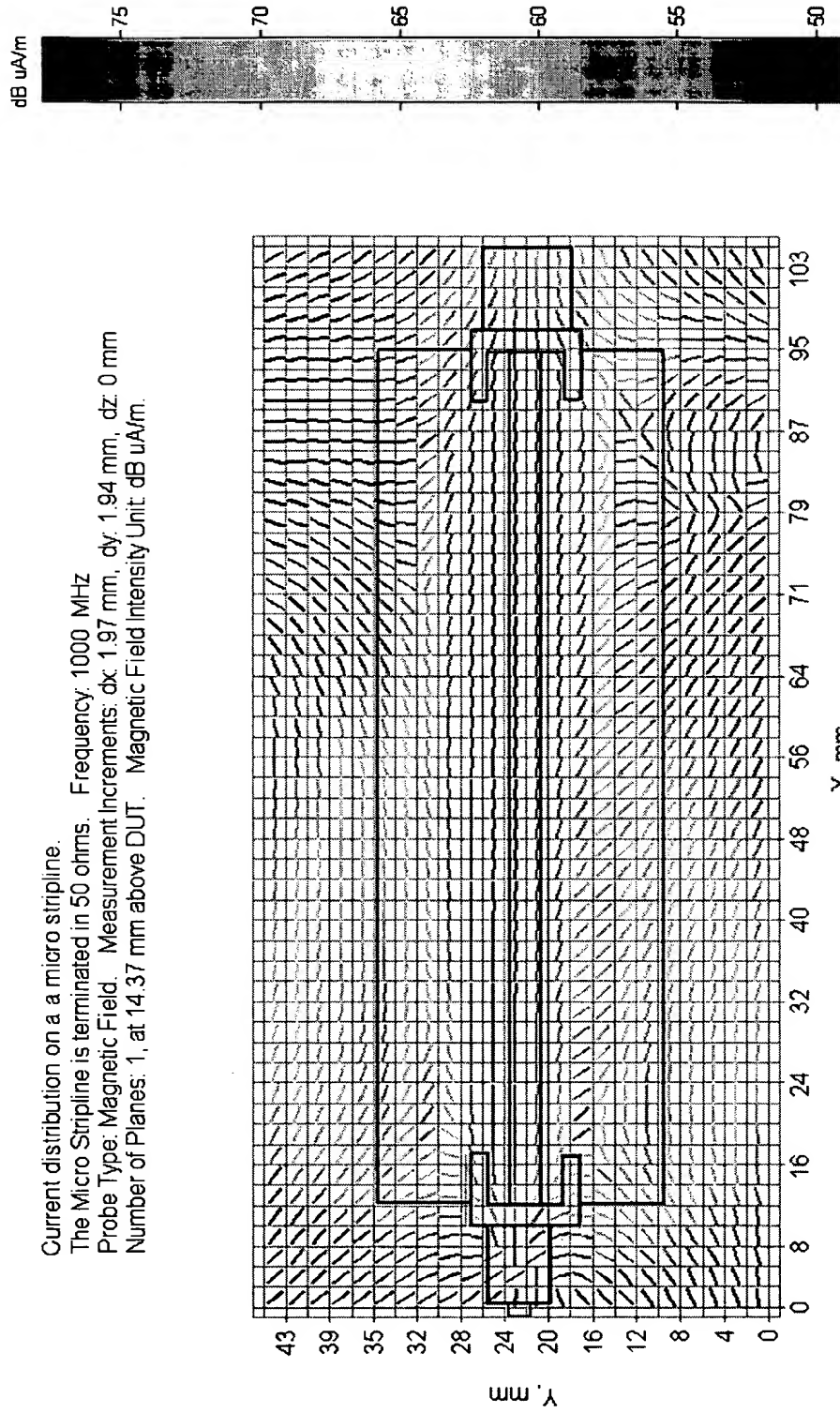


FIG. 36



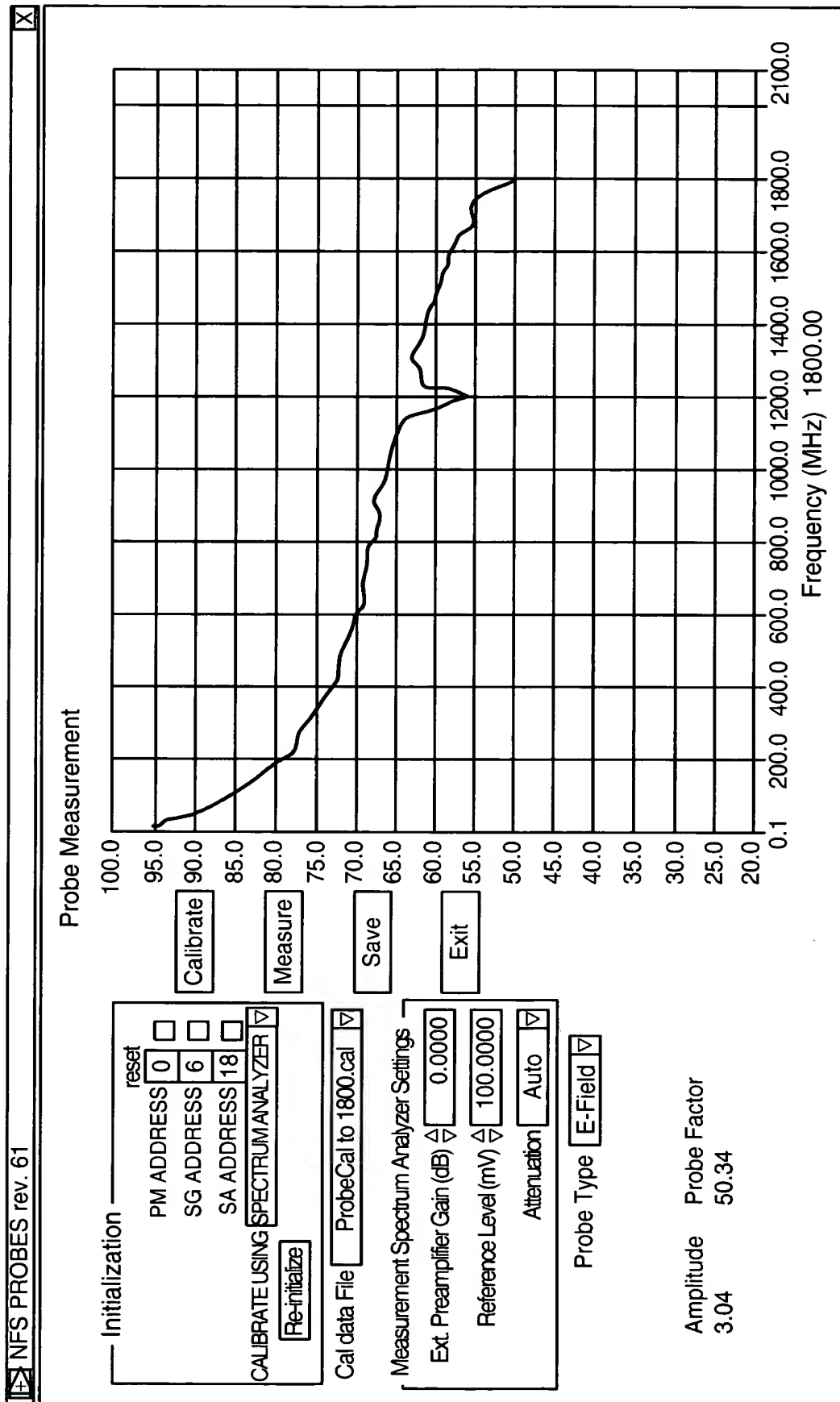


FIG. 37

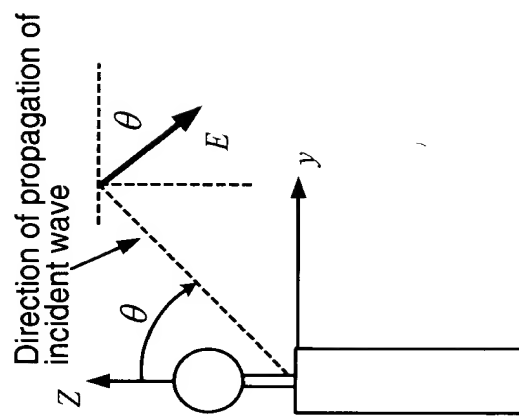


FIG. 38

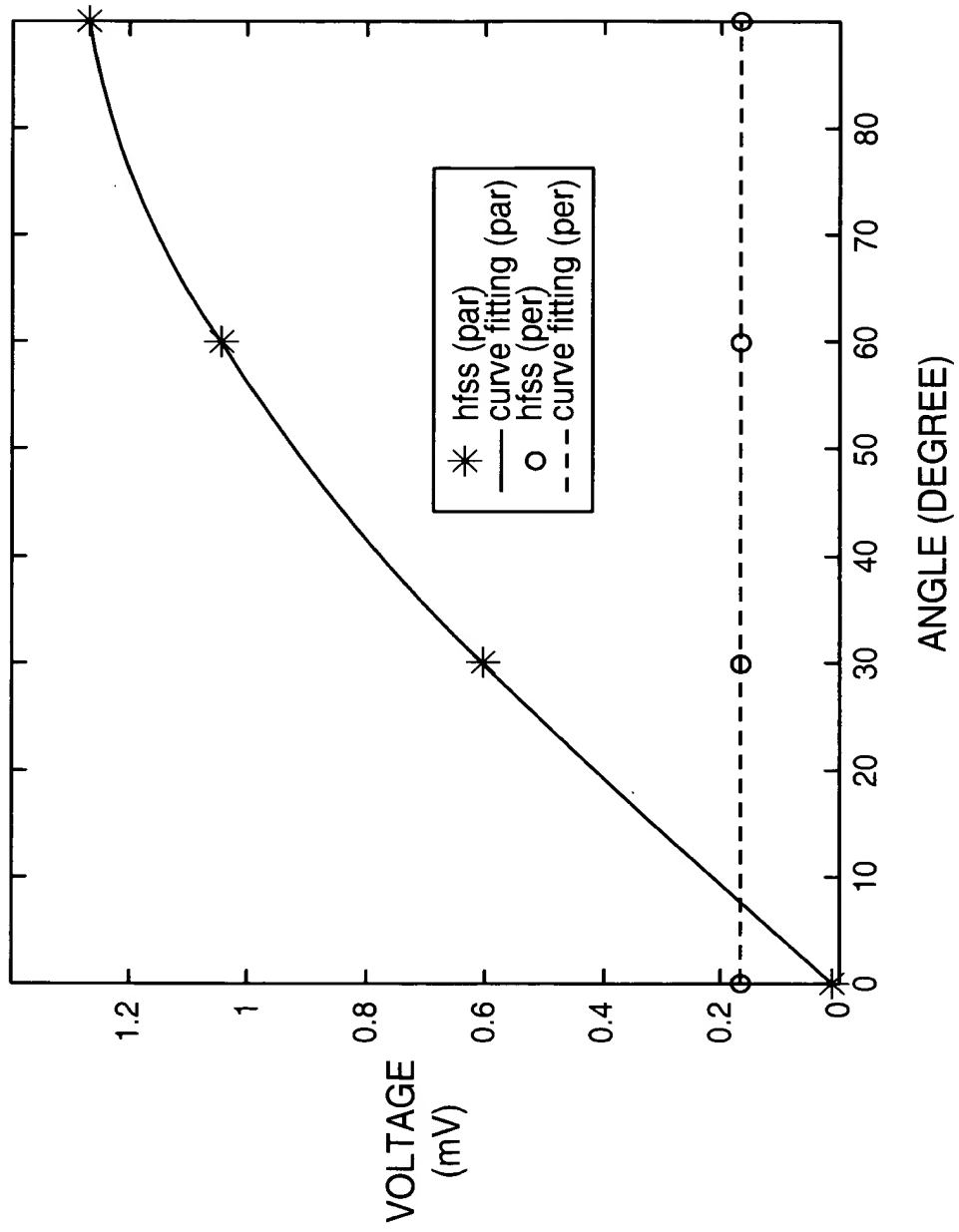


FIG. 39

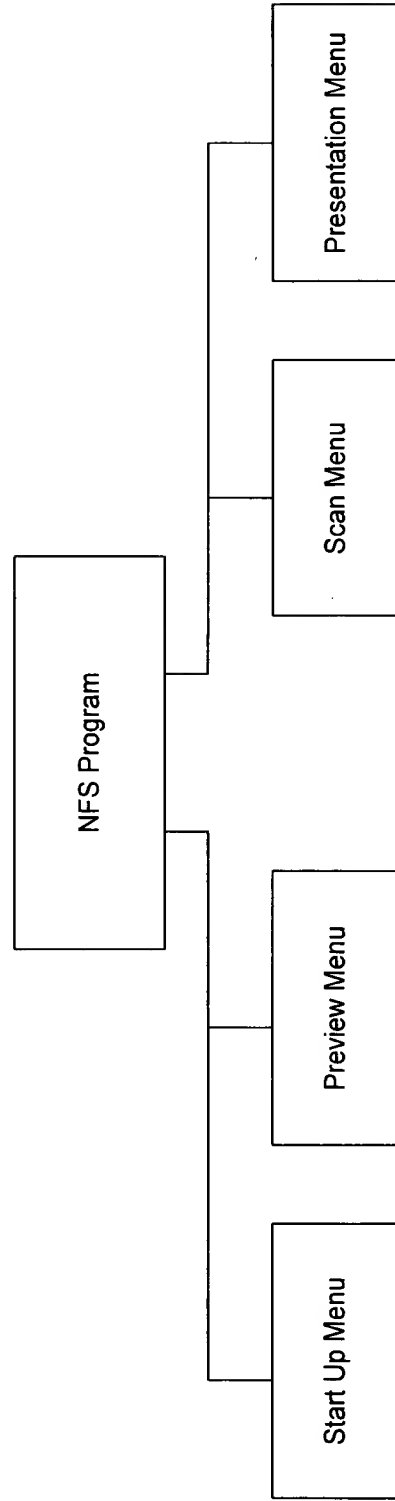


FIG. 40

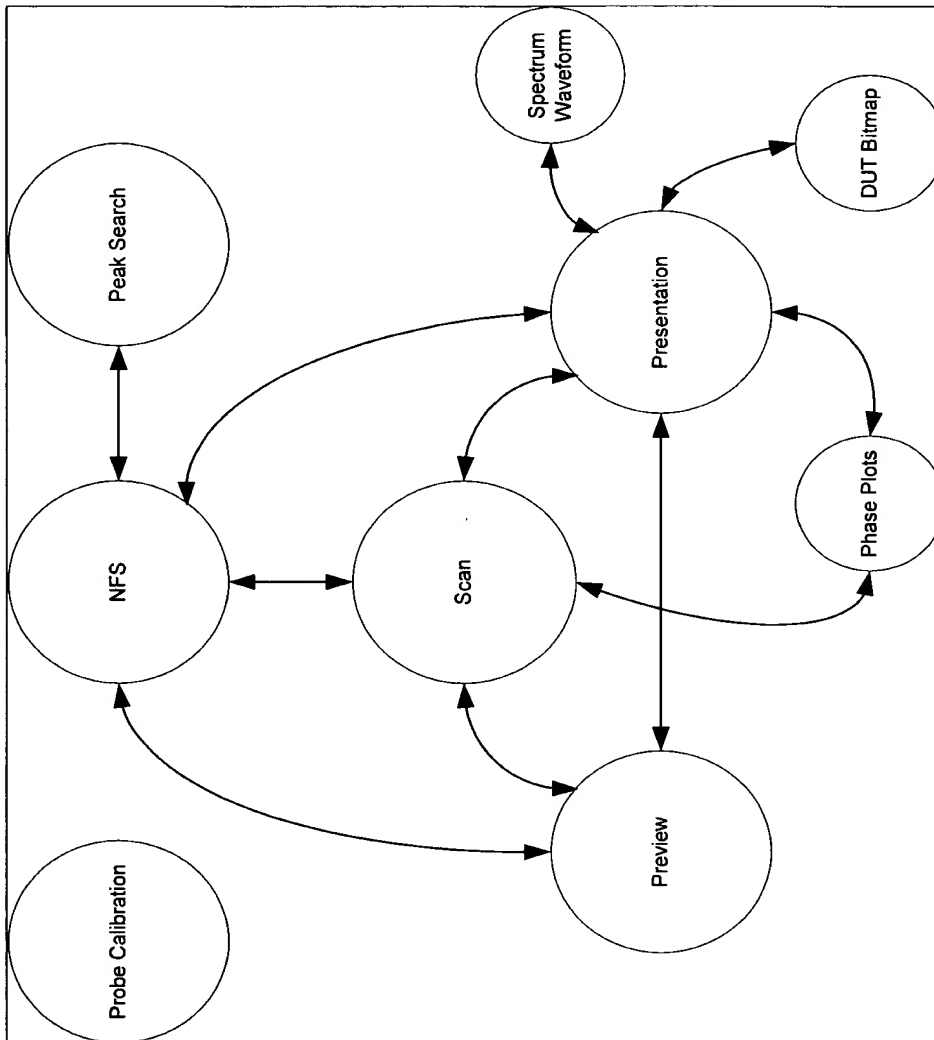


FIG. 41

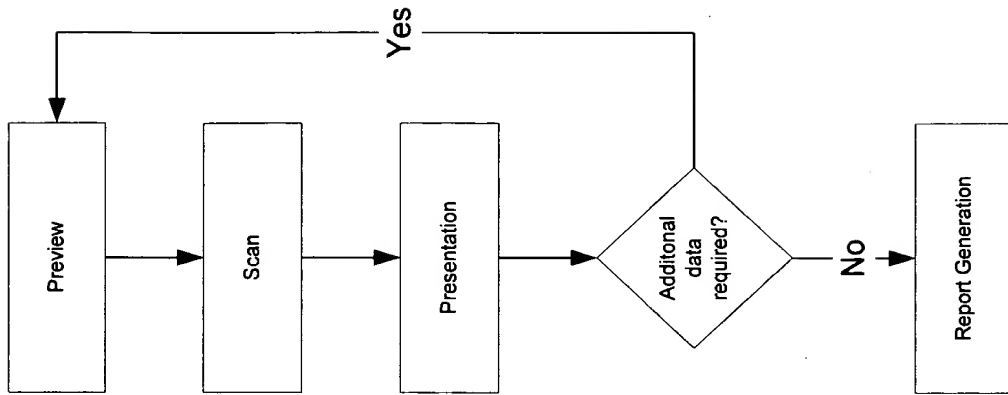


FIG. 42

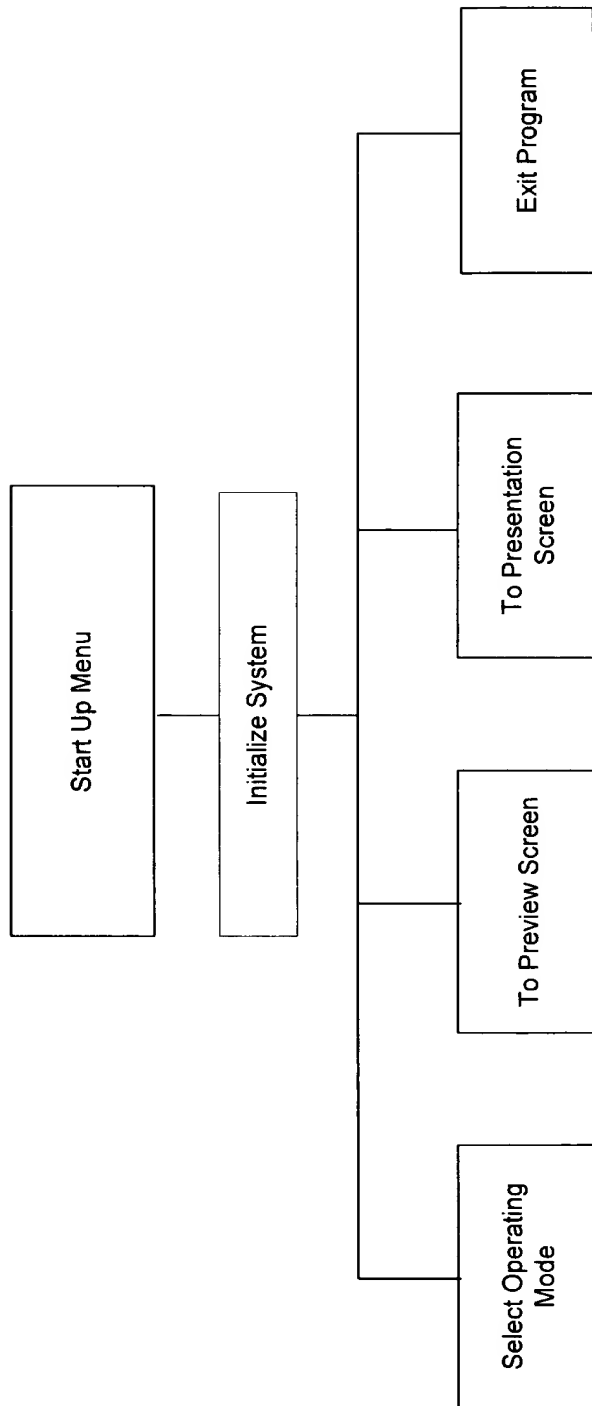


FIG. 43

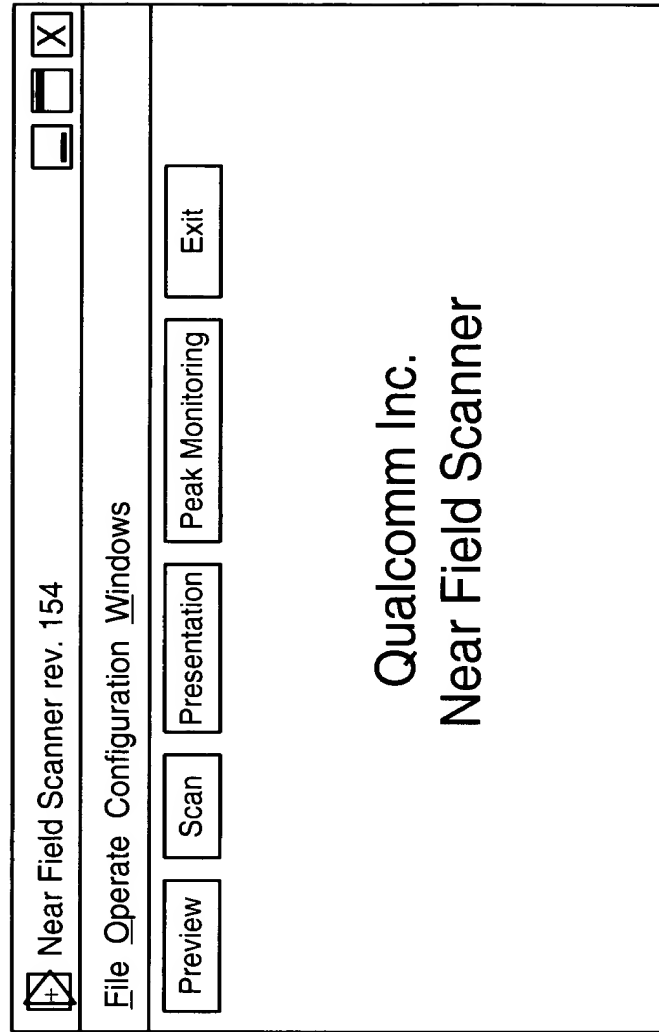


FIG. 44



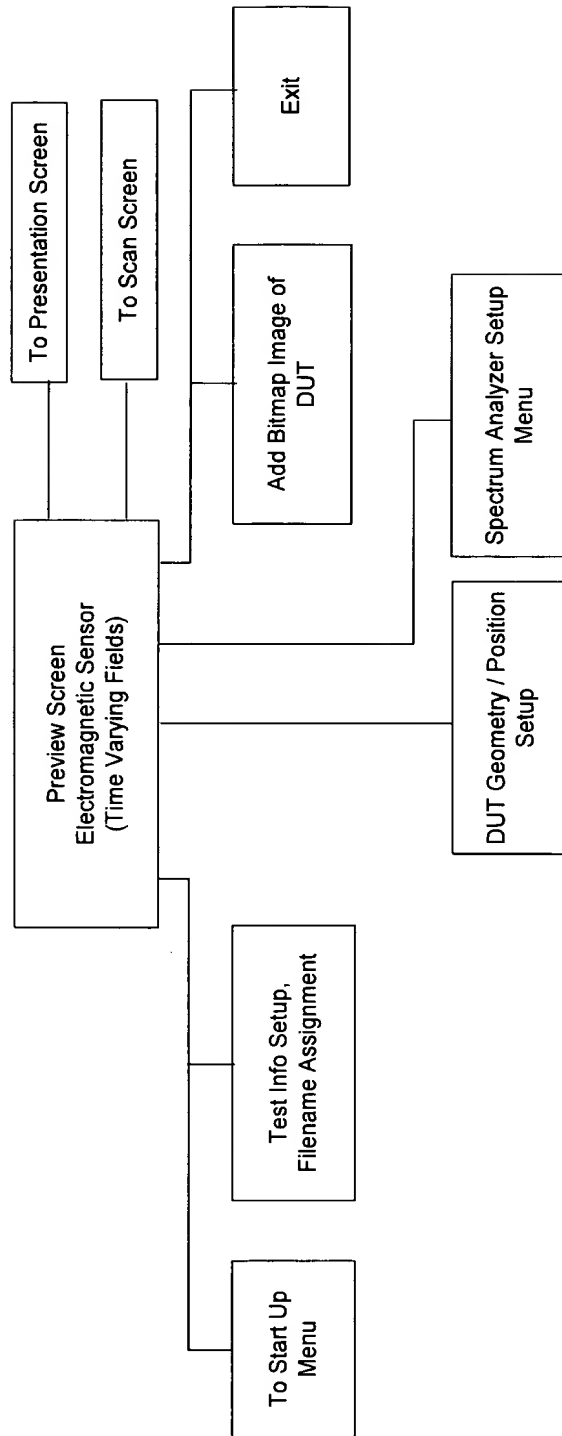


FIG. 45

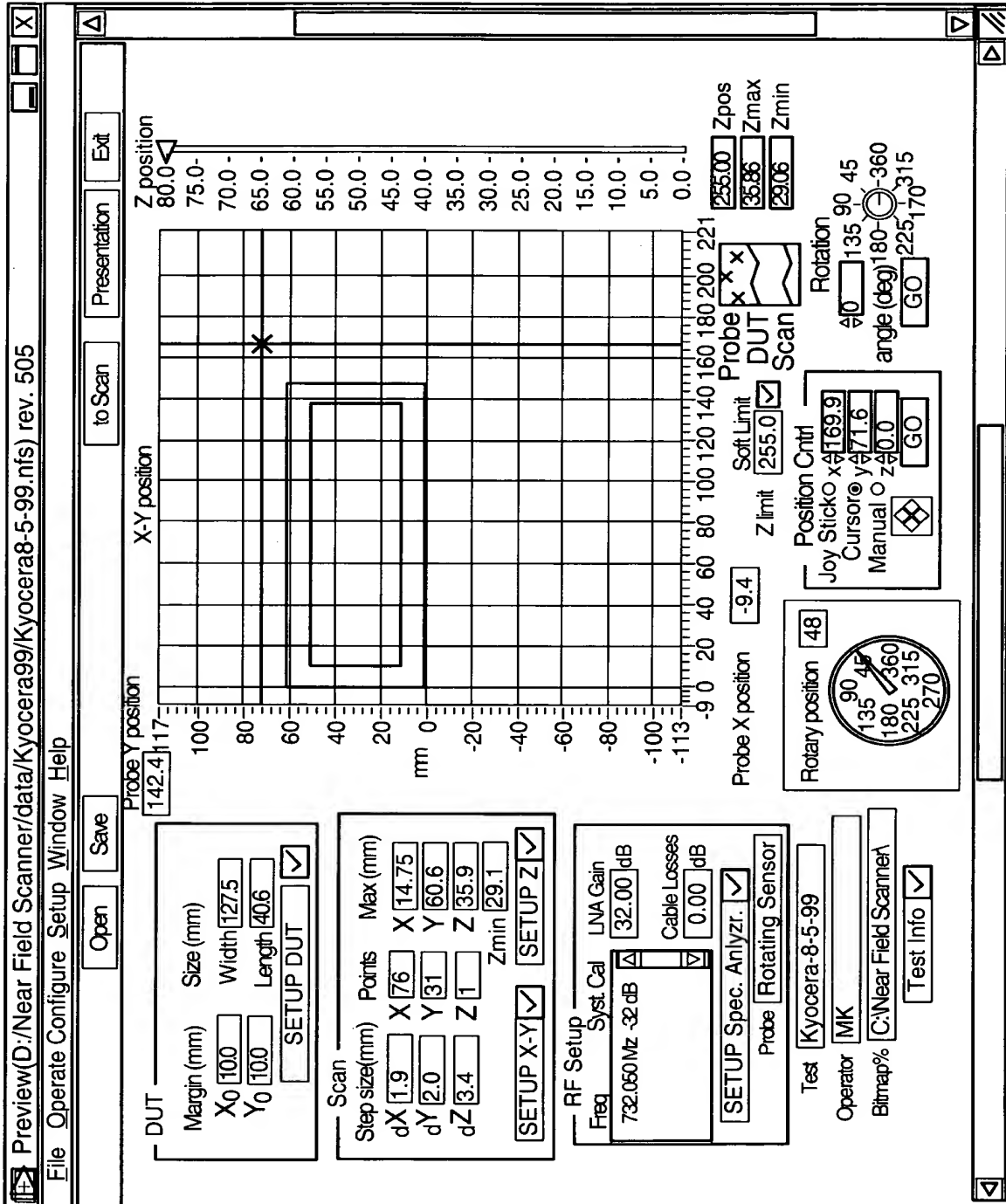


FIG. 46

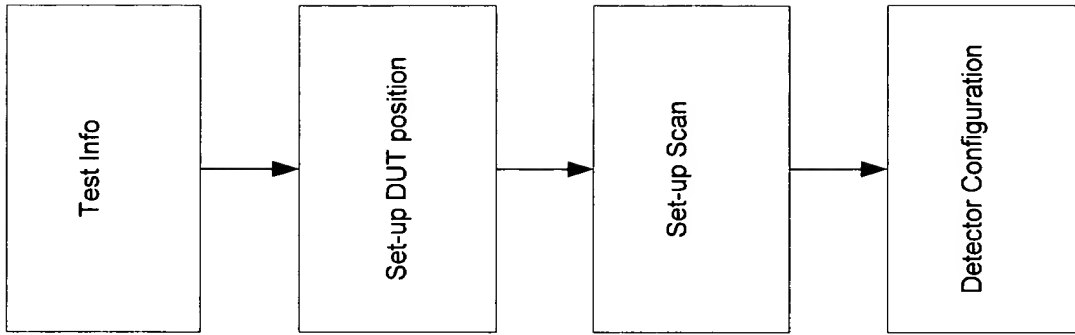


FIG. 47

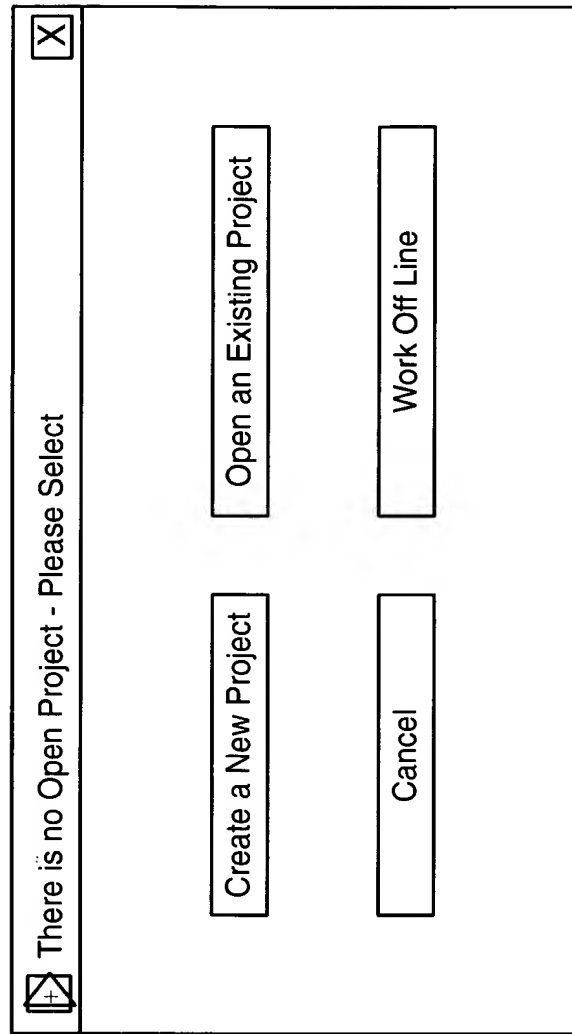


FIG. 48

+

Edit Probe Transfer Factor rev. 15

X

Probe Name

Ball-2

Units

dB uV/m

Probe correction equation


CF=

$$101.334846 - (0.198588186 * f) + (0.00048579 * f^2) - (5.7022E-7 * f^3) + (3.0722E-10)$$

Cancel

OK

FIG. 49

 Overscan Range X

— Set X-Y overscan area —

Left (X)

2.0

Δ ▽

Top (Y)

2.0

Δ ▽

Left  $\longleftrightarrow$  Right

DUT

Right  $\longleftrightarrow$  Left

Bottom (Y)

2.0

Δ ▽

Right (X)

2.0

Δ ▽

Top

↕

Bottom

↕

X Increment

0.2

Δ ▽

Y Increment

0.2

Δ ▽

Link Incr

OK

Cancel

FIG. 50

Z Axes Parameters

Enter Desired Z Axes Parameters:

Maximum Height above DUT (mm)

20.00

Minimum Height above DUT (mm)

6.32

Number of Planes

3

Offset between Limit Switch Position & DUT (mm)

2.00

Use Limit Switch

mm per Planes

6.84

Cancel

OK

Maximum Height

Minimum Height

Offset

Limit  $\Delta$

Switch

DUT

FIG. 51

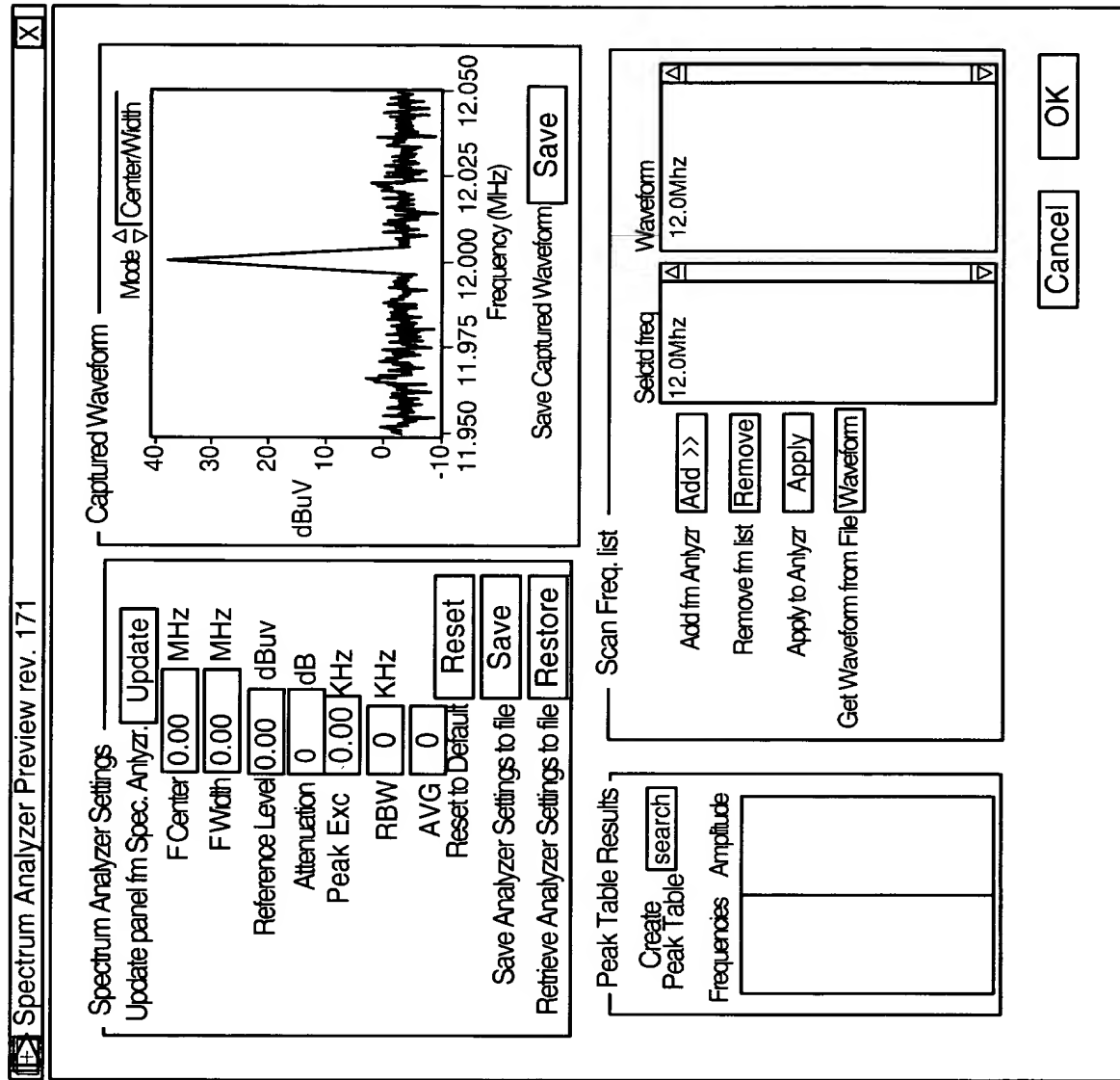


FIG. 52



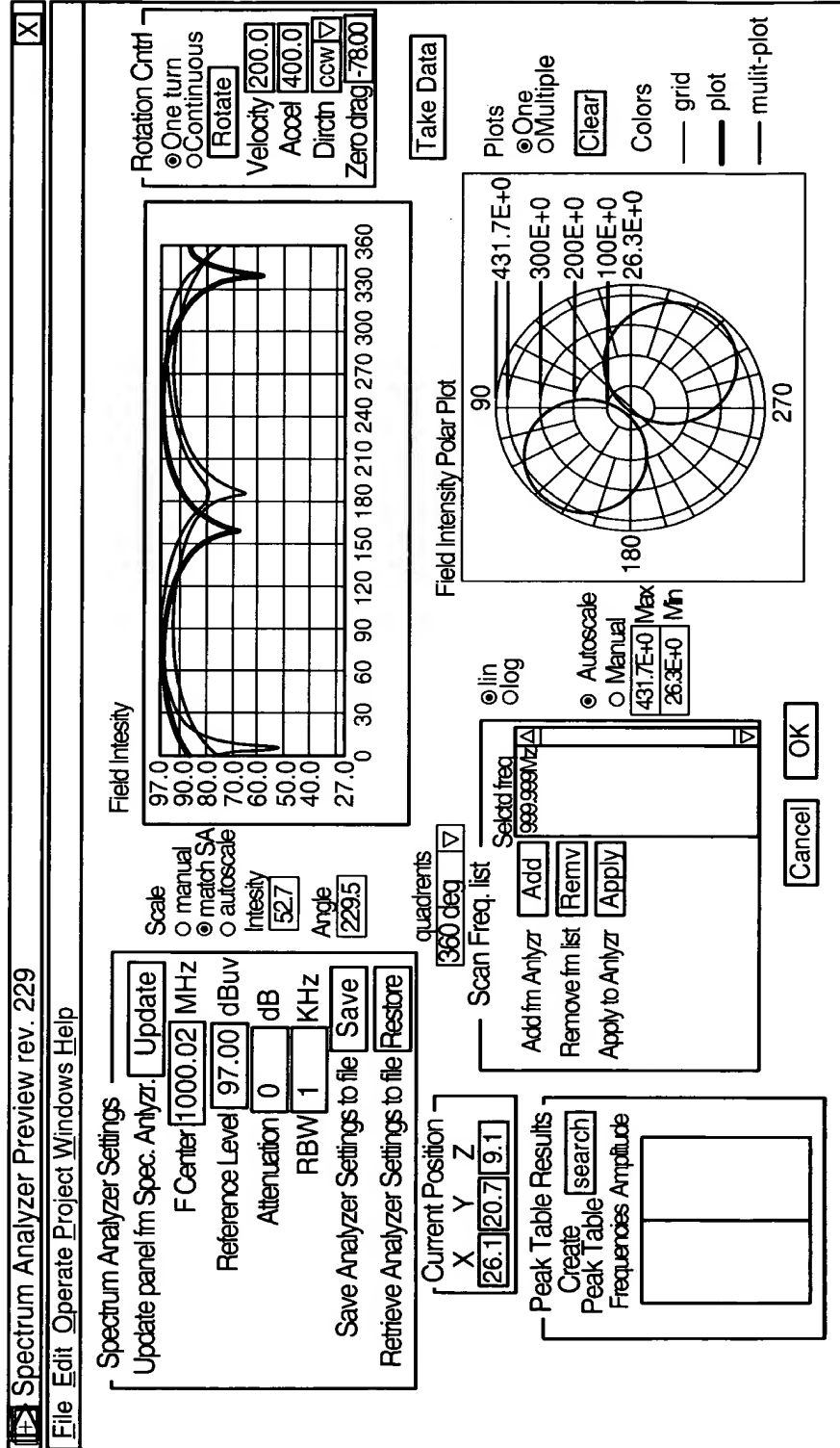


FIG. 53

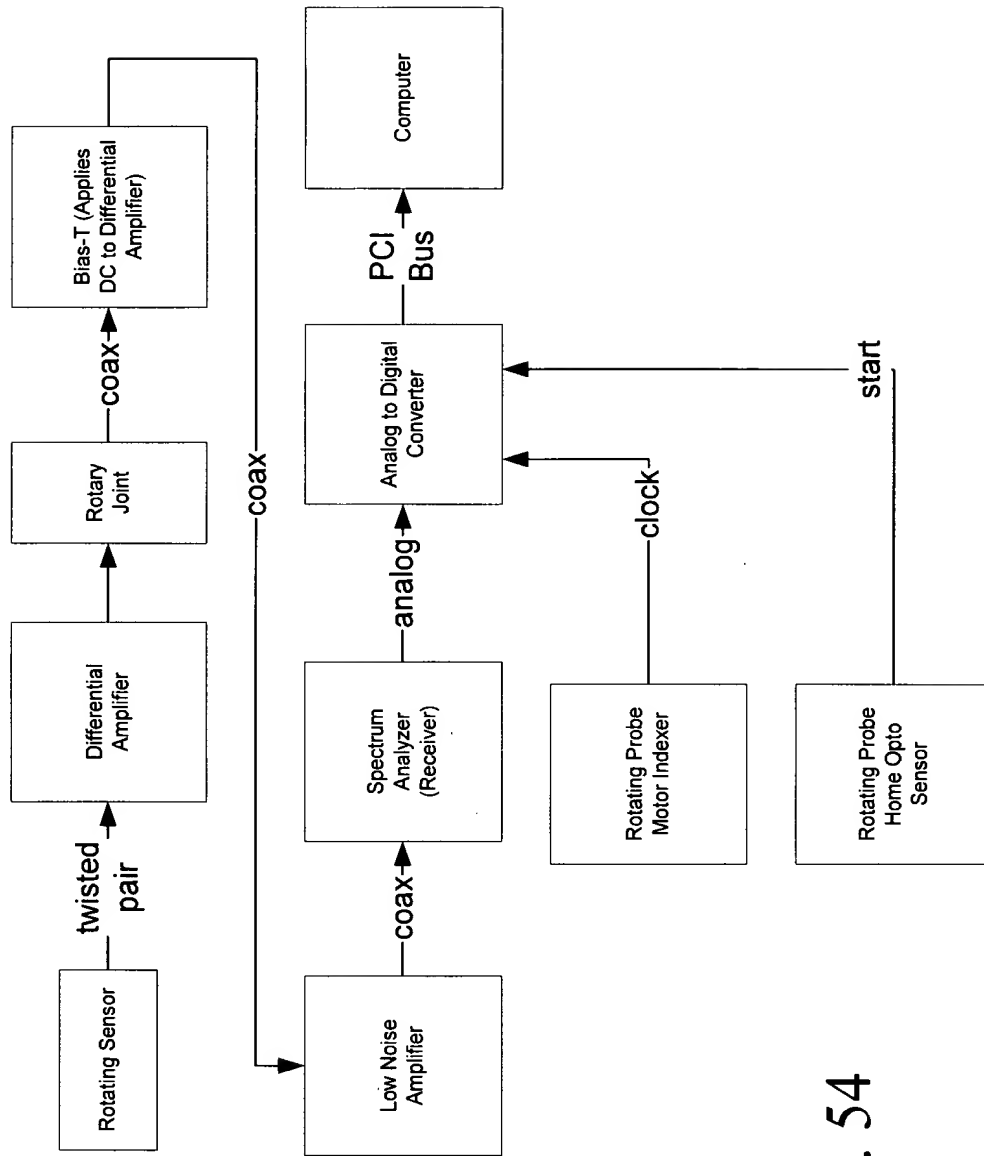


FIG. 54

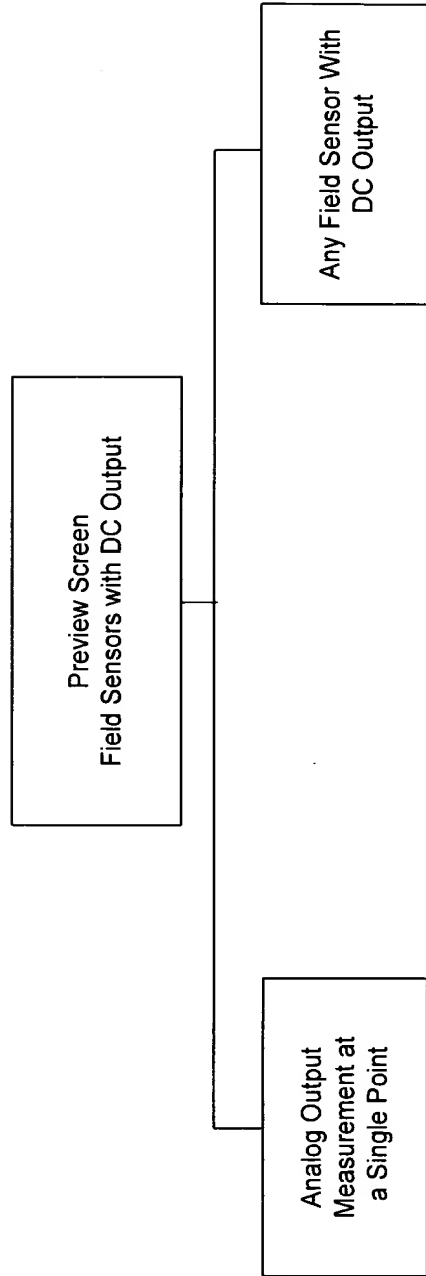


FIG. 55

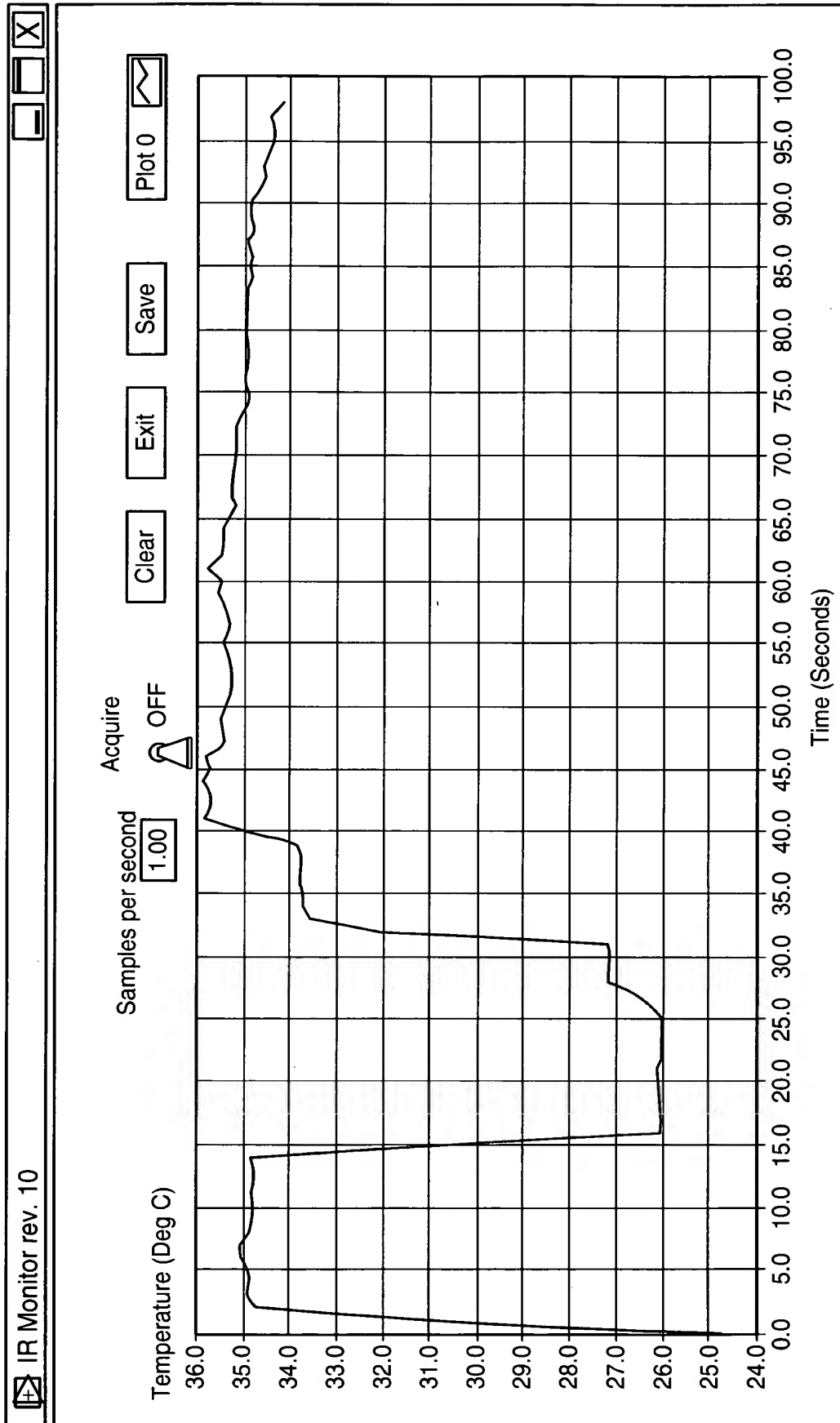


FIG. 56



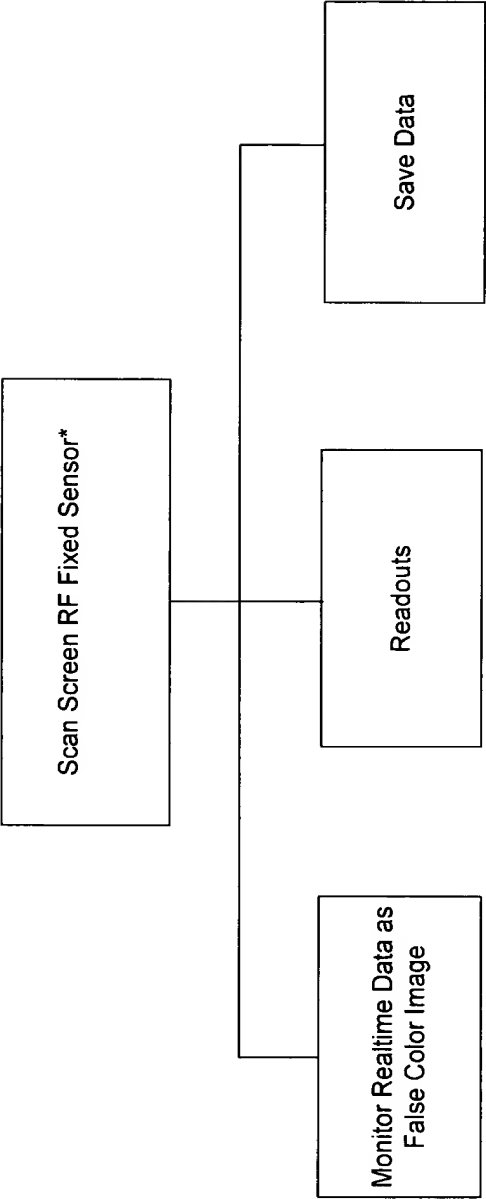


FIG. 58

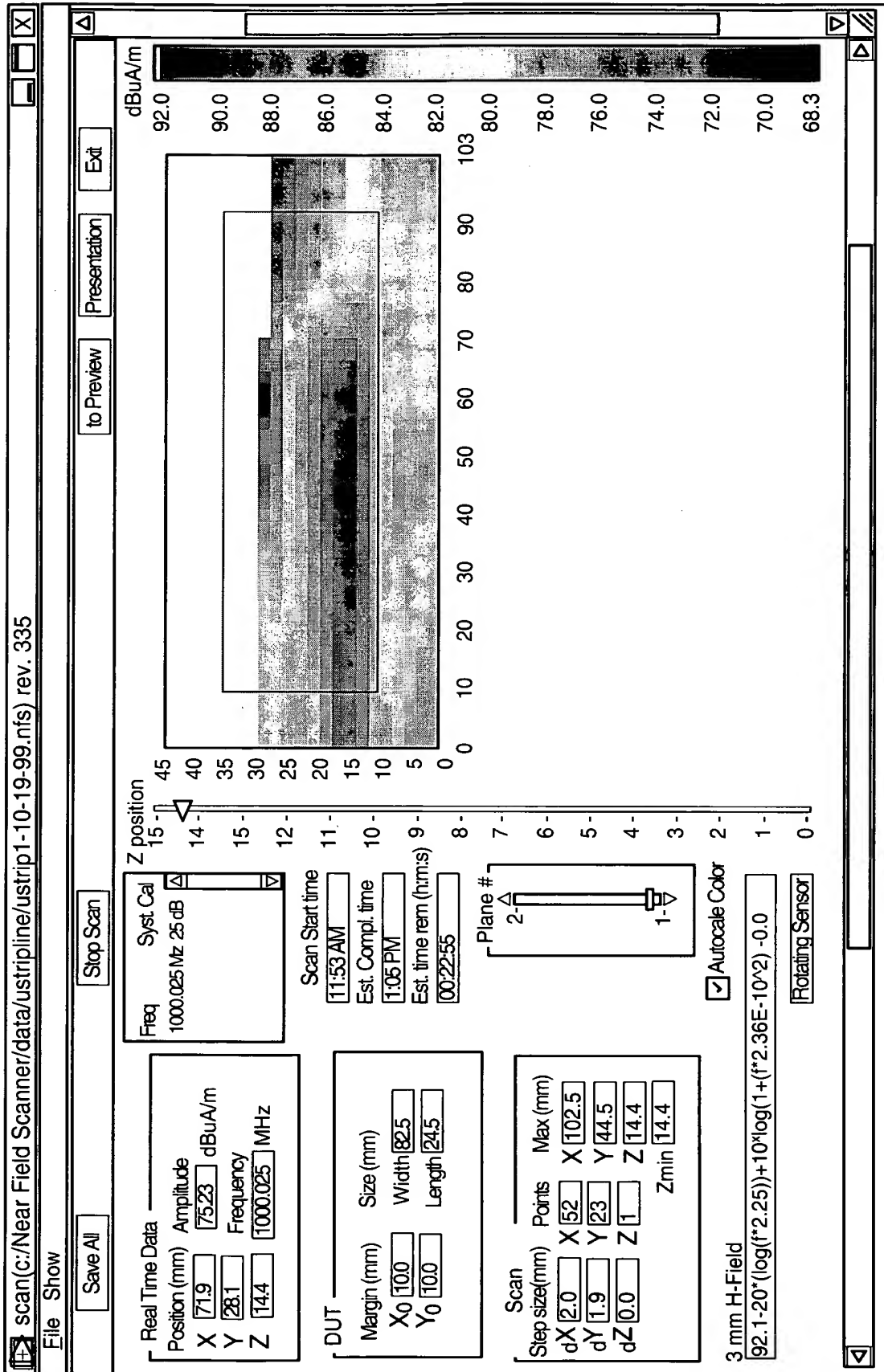


FIG. 59

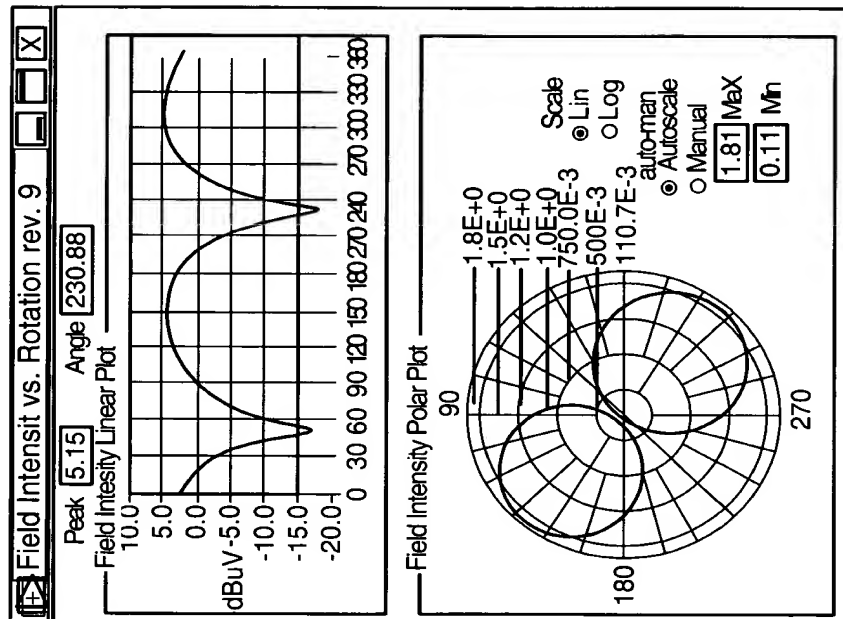


FIG. 60



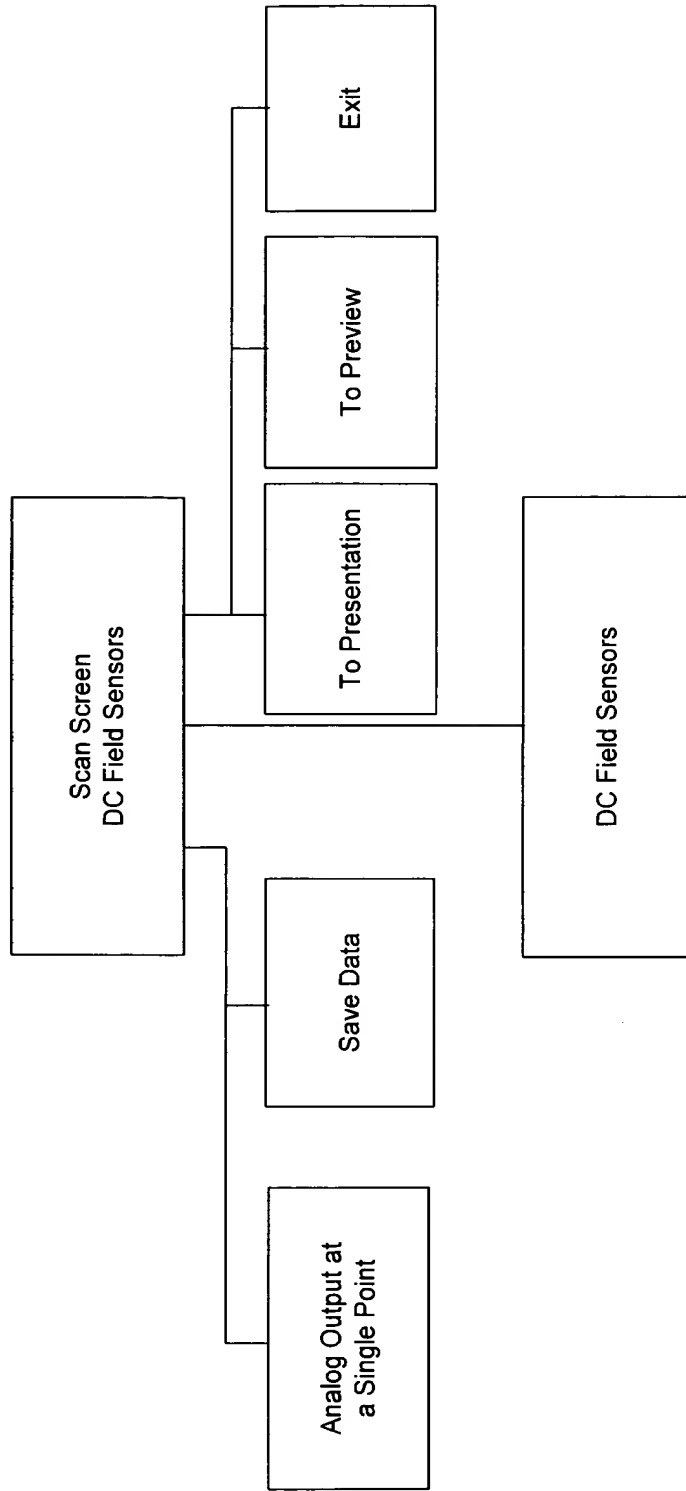


FIG. 61

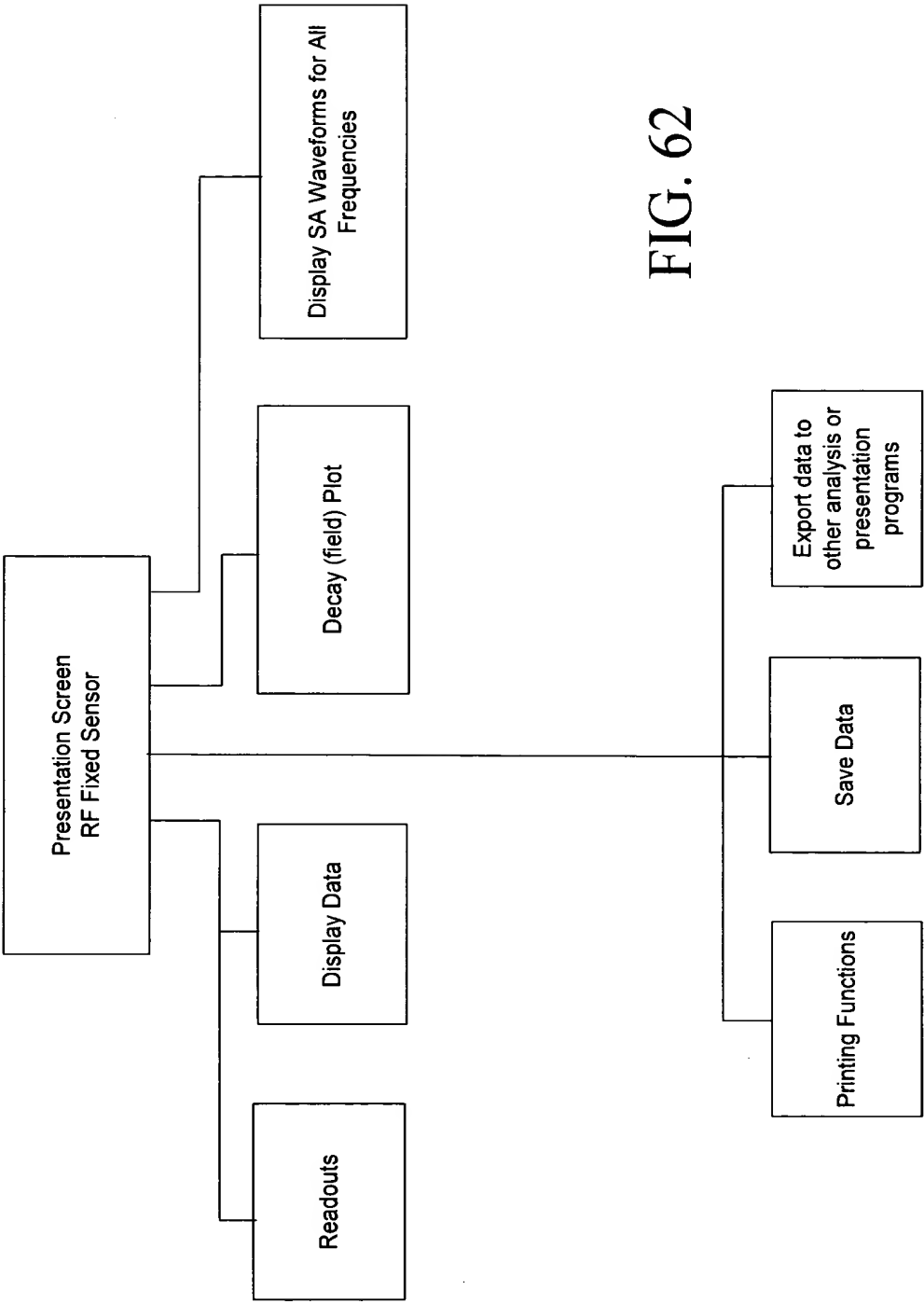


FIG. 62



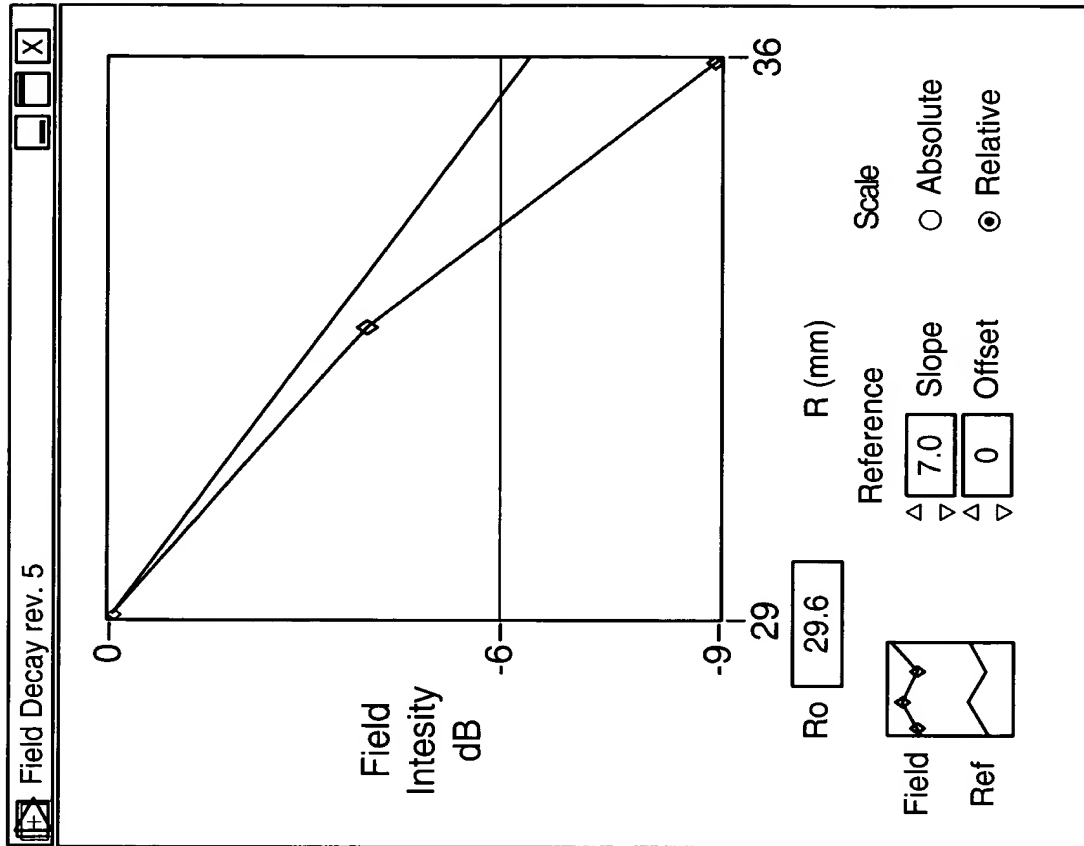


FIG. 64

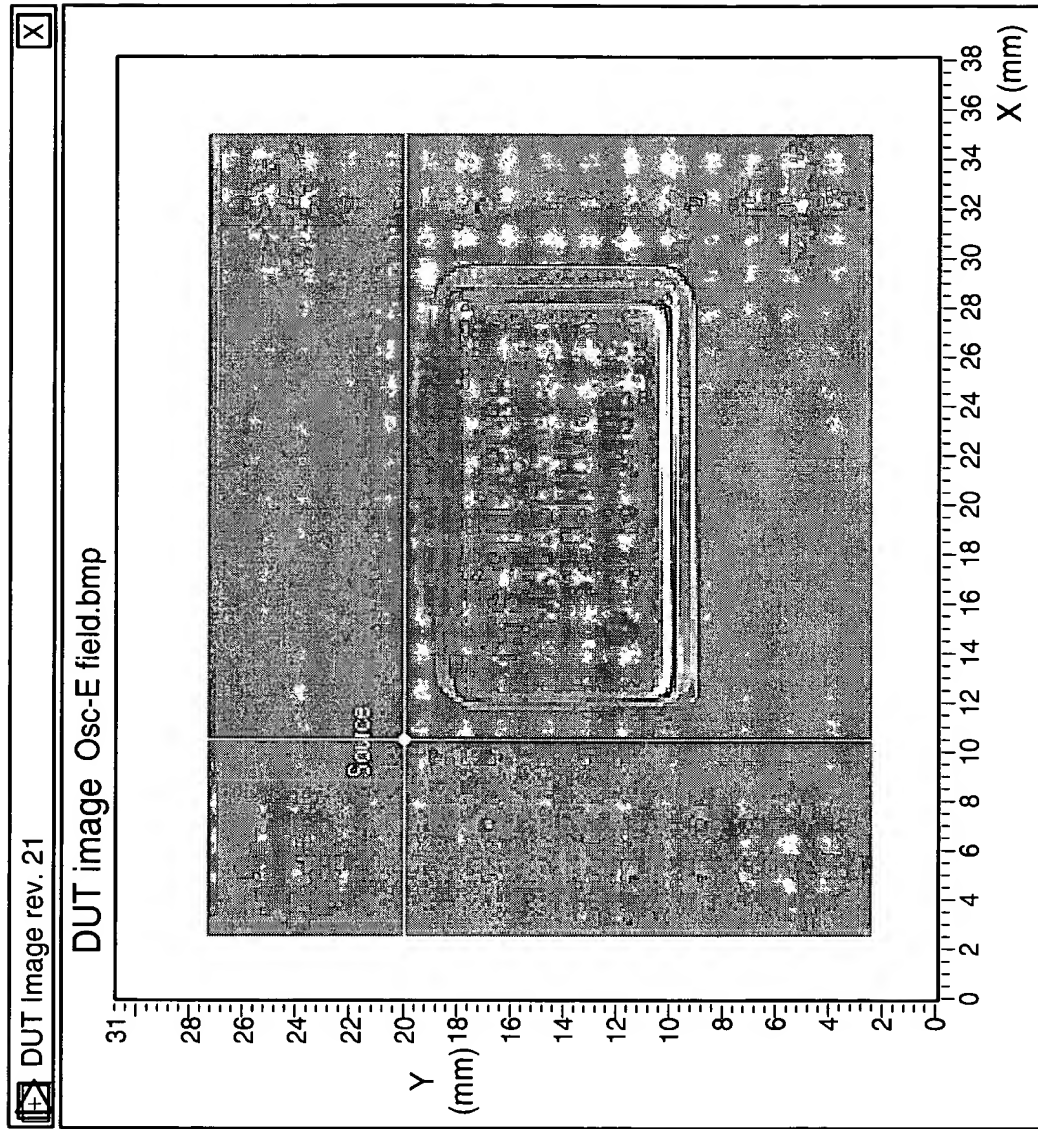


FIG. 65

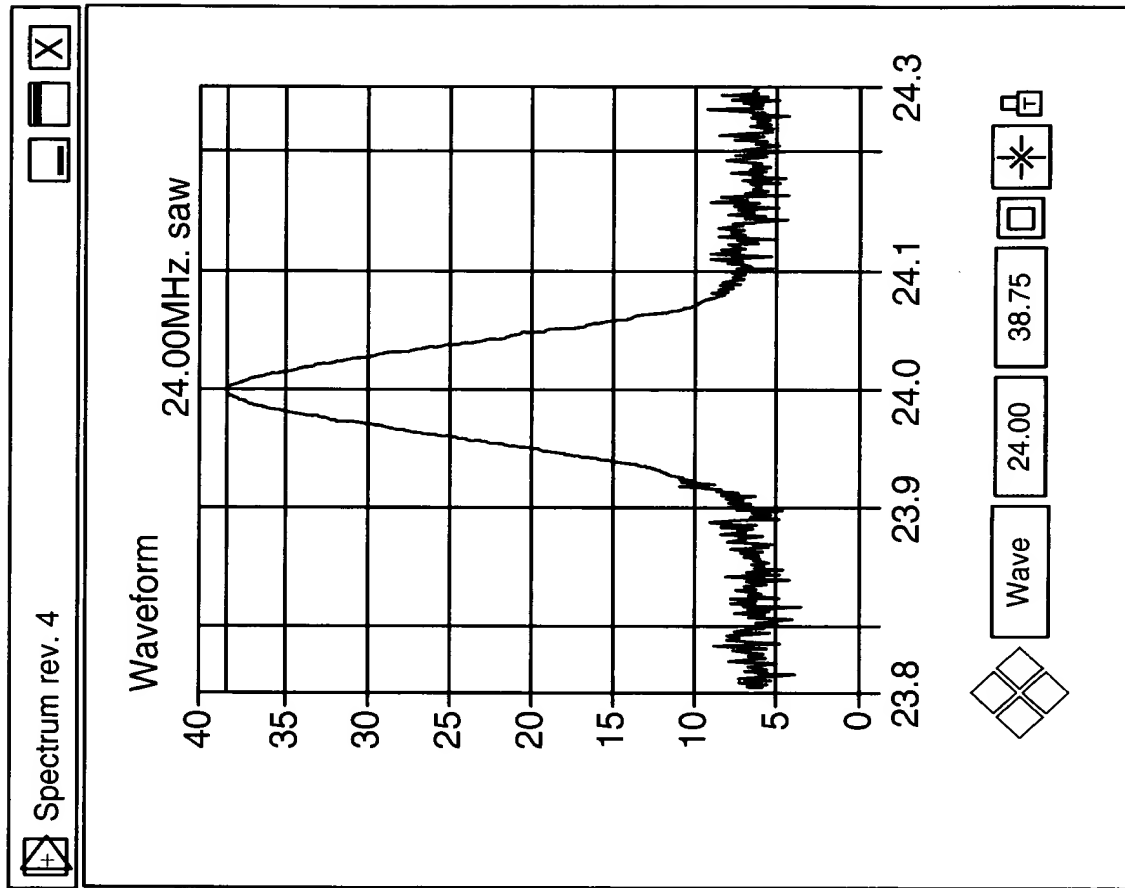


FIG. 66

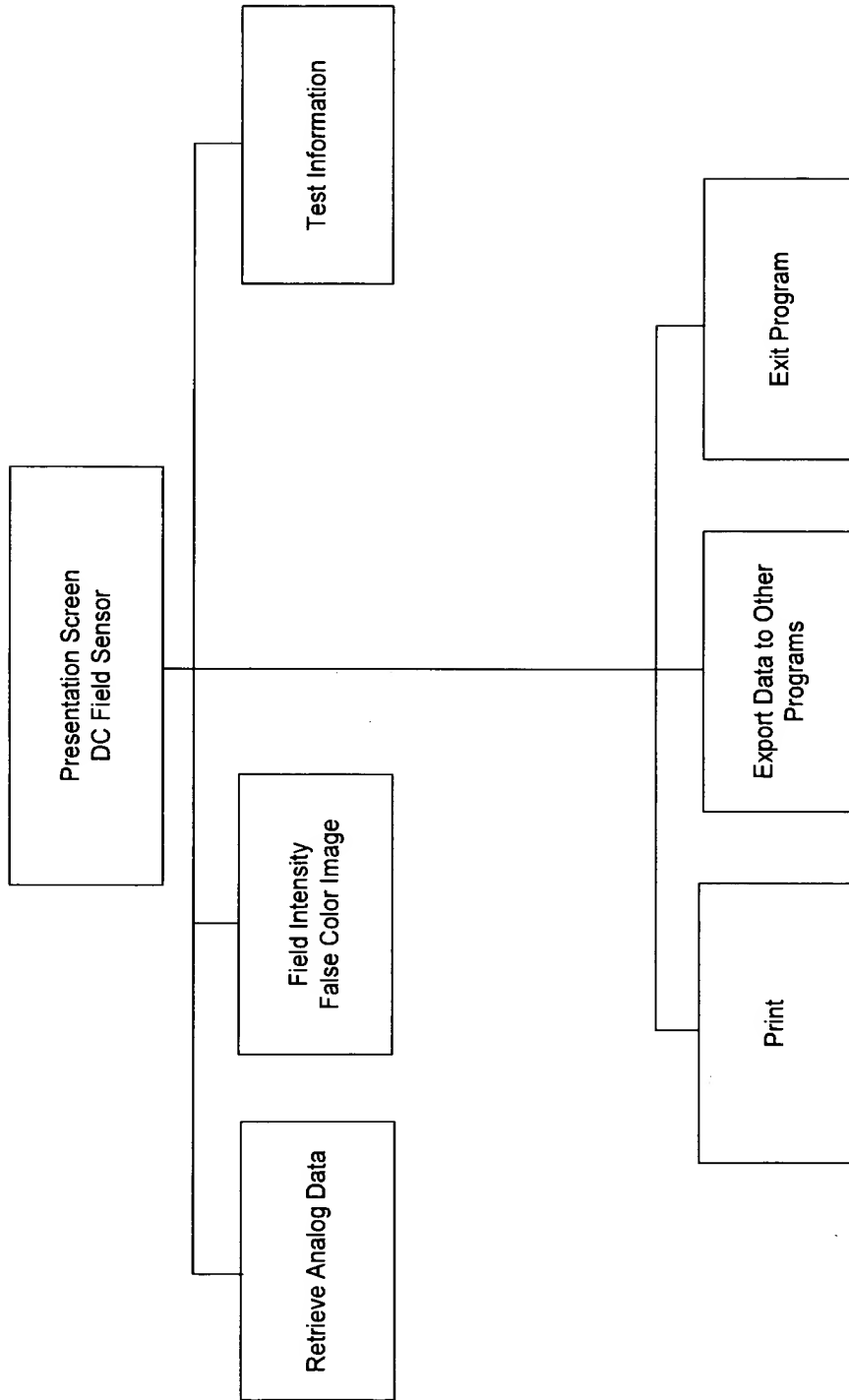


FIG. 67

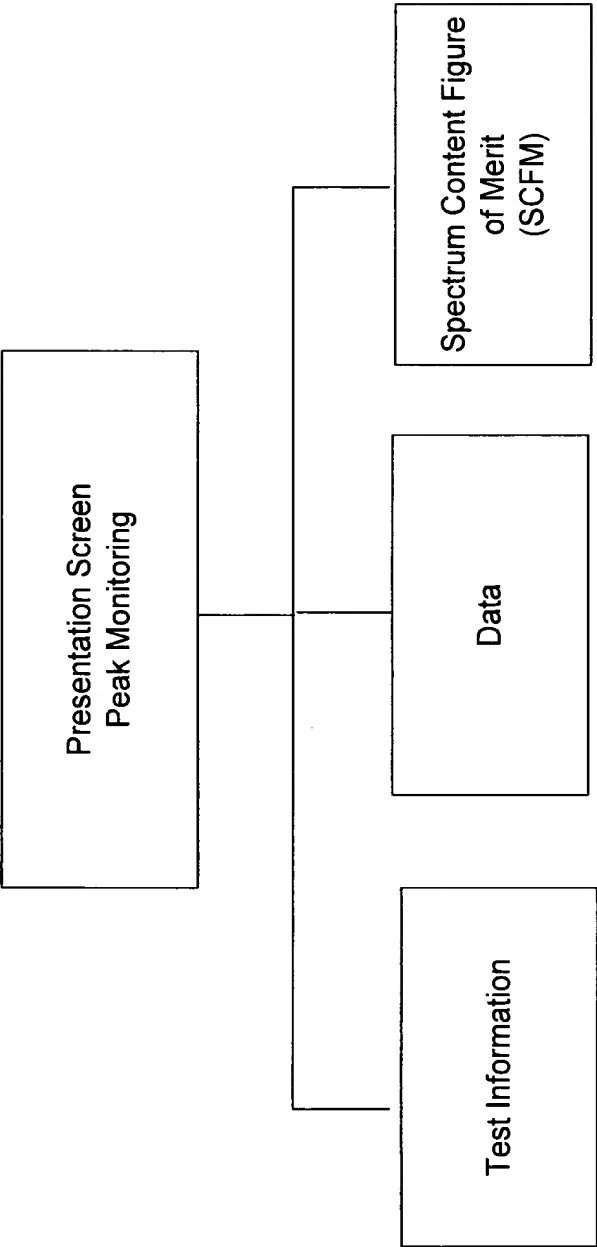


FIG. 68



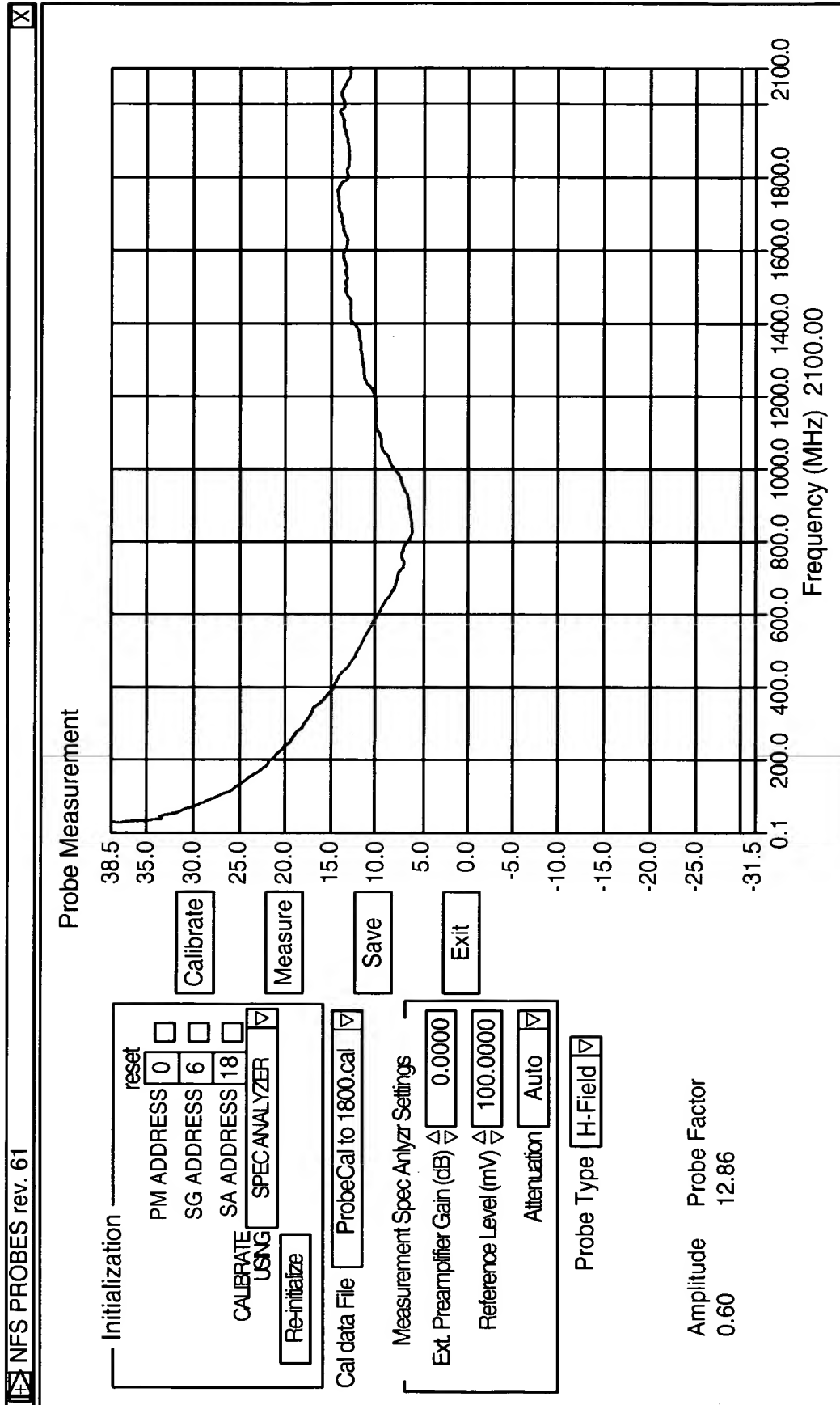


FIG. 69

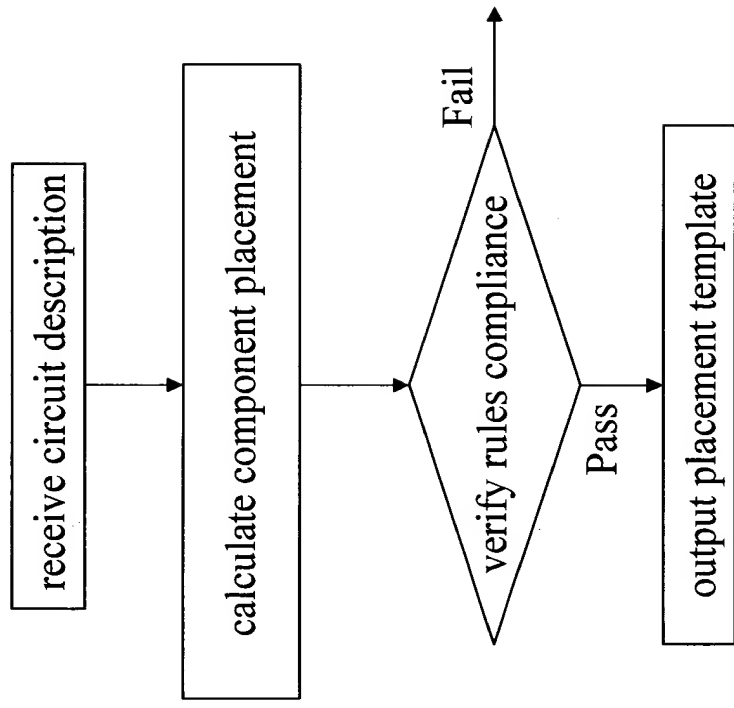


FIG. 70 (RELATED ART)

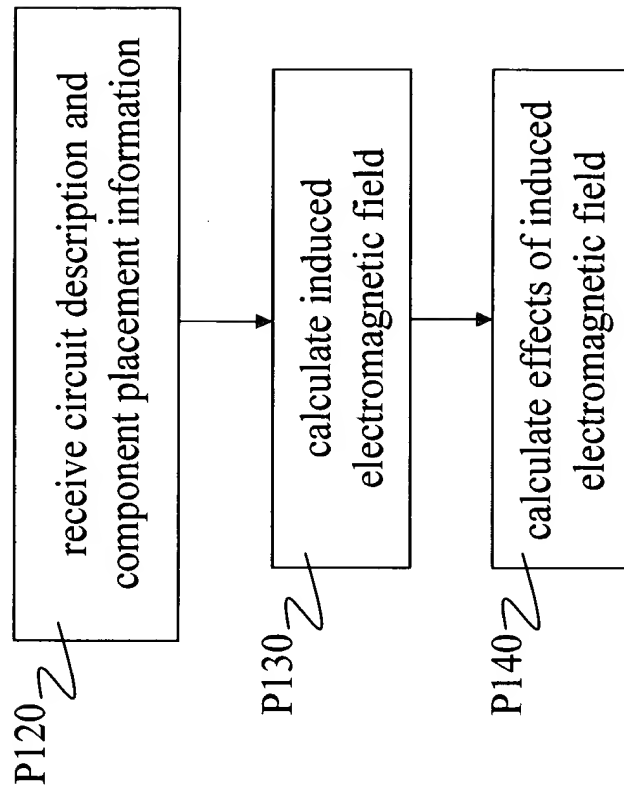


FIG. 71

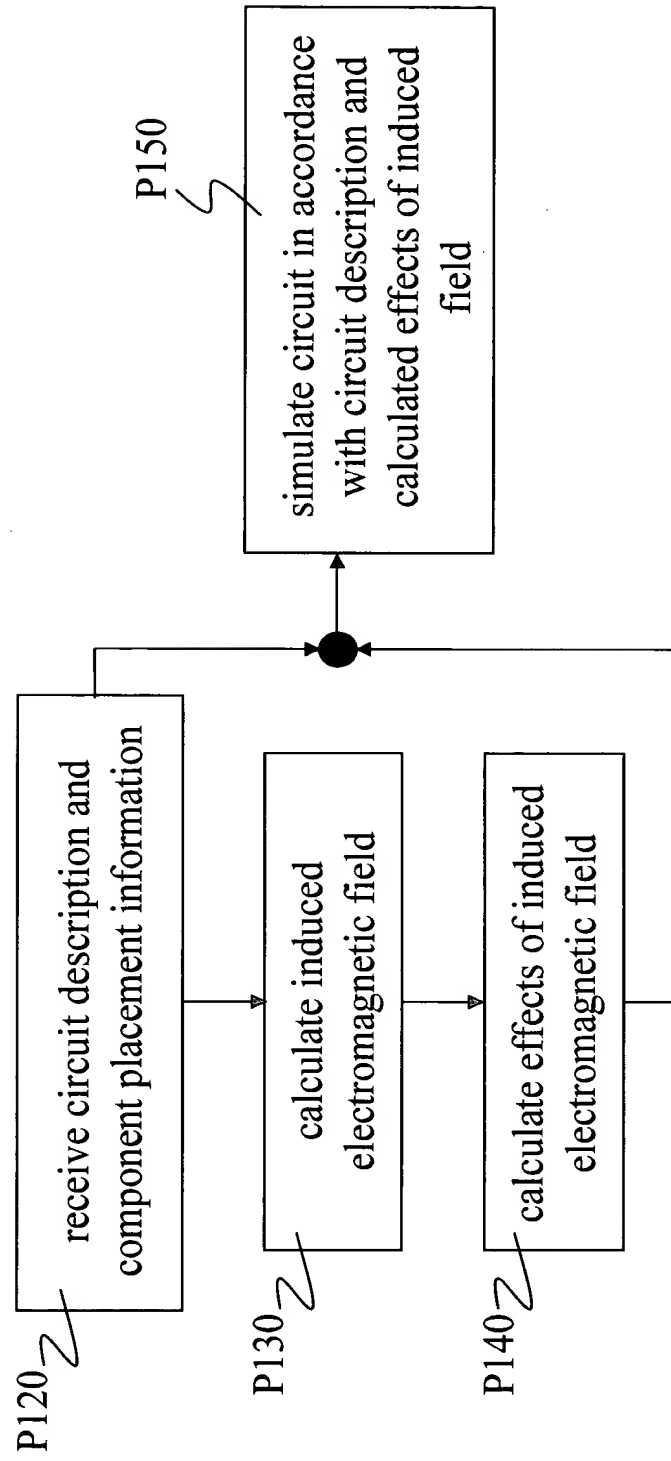


FIG. 72

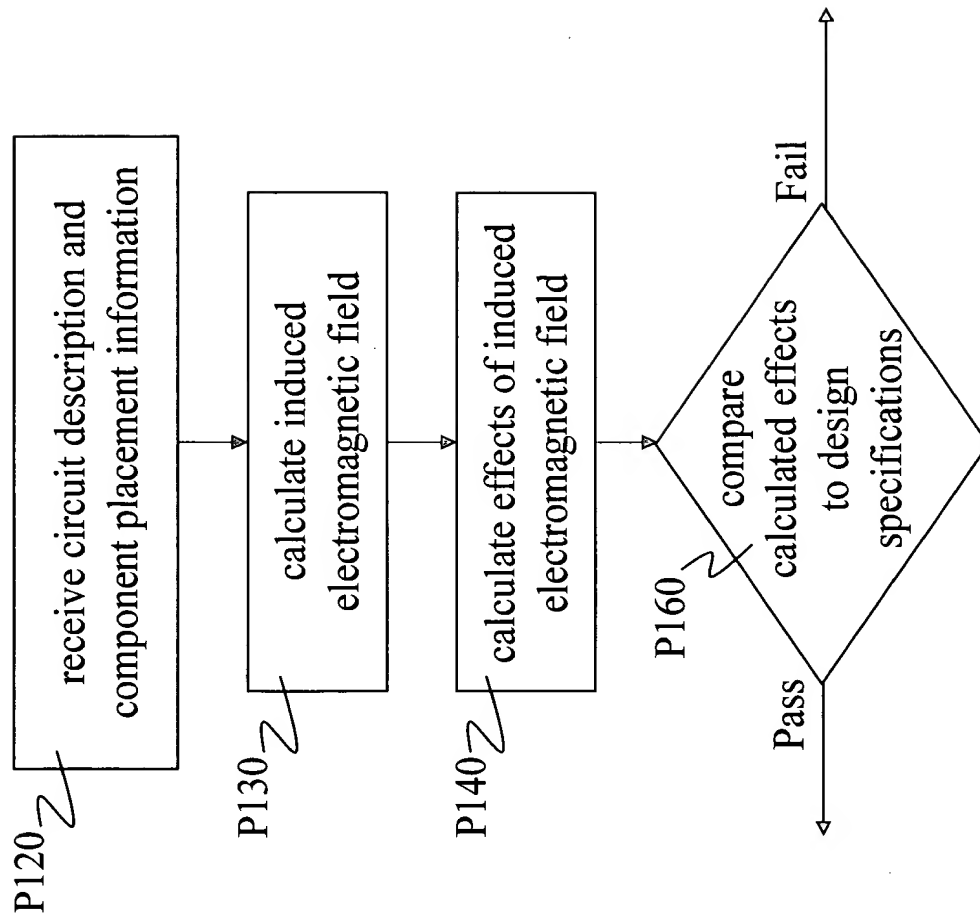


FIG. 73

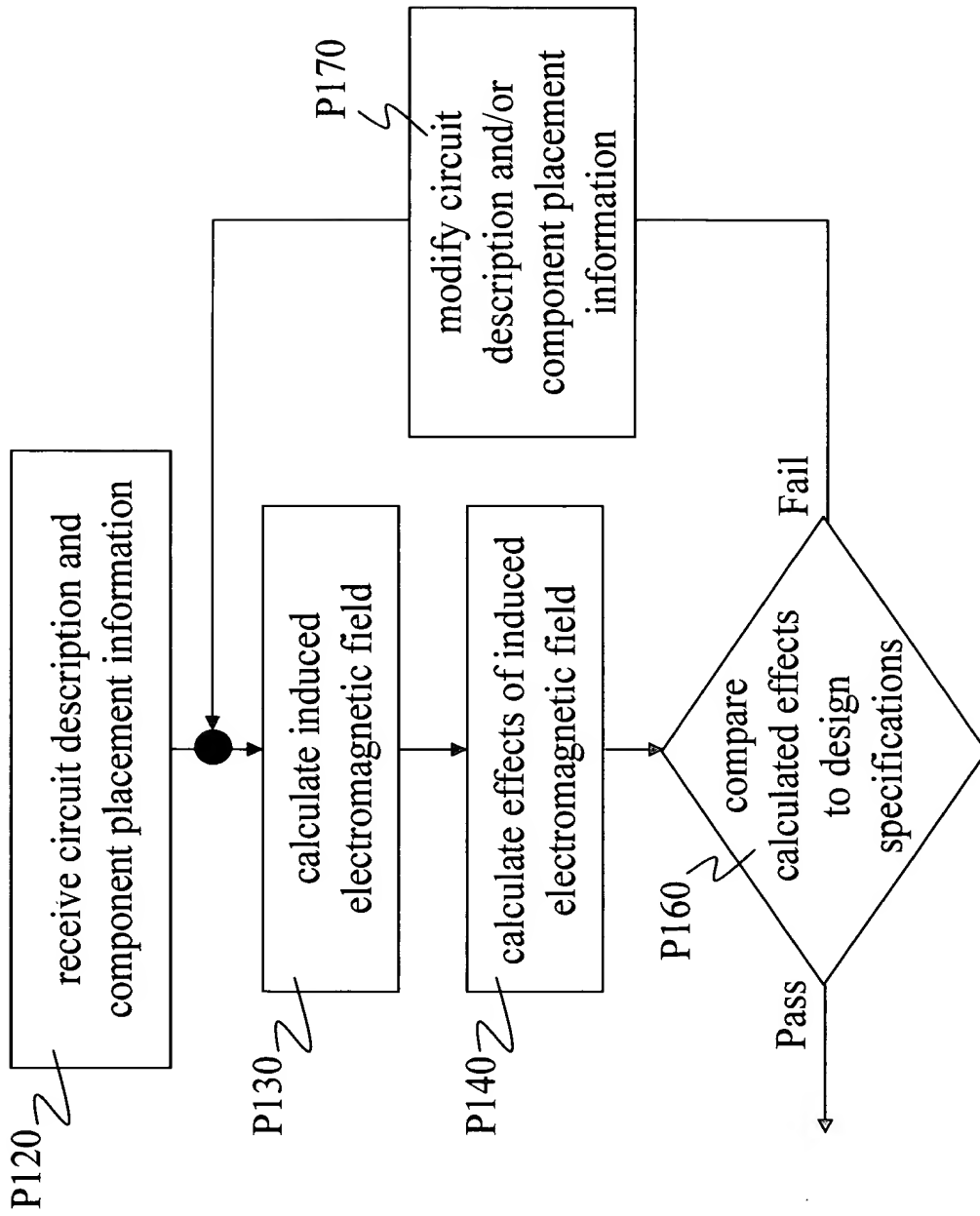


FIG. 74

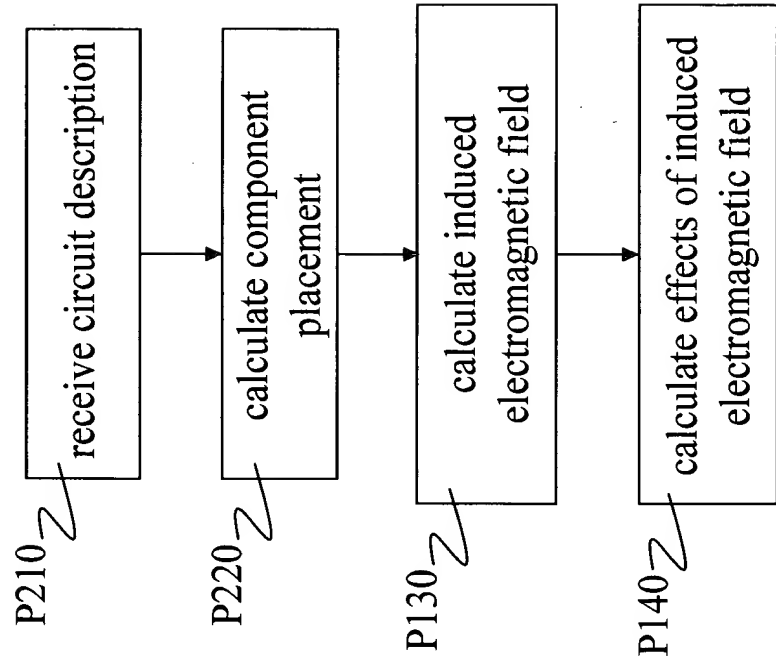


FIG. 75

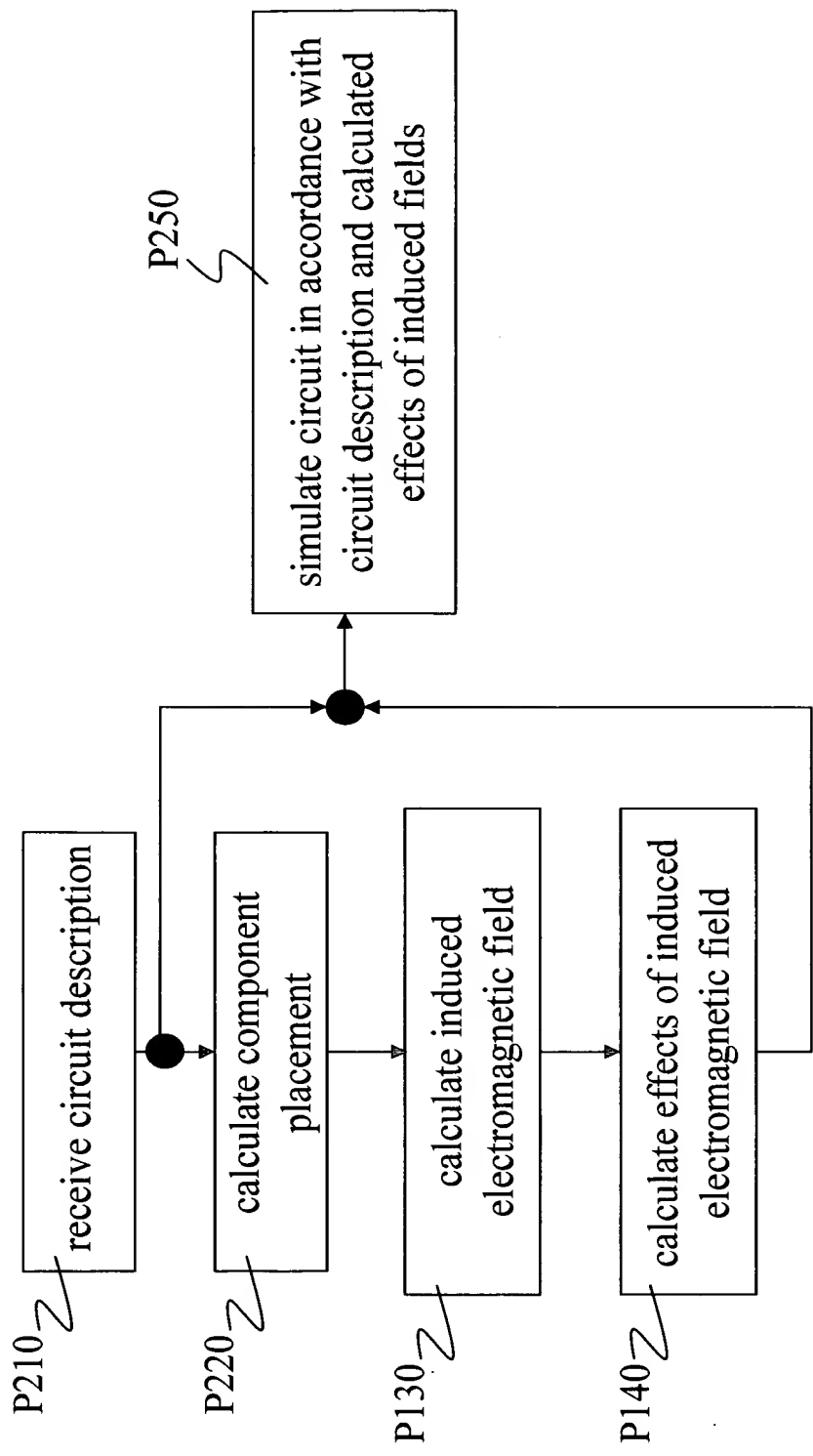


FIG. 76



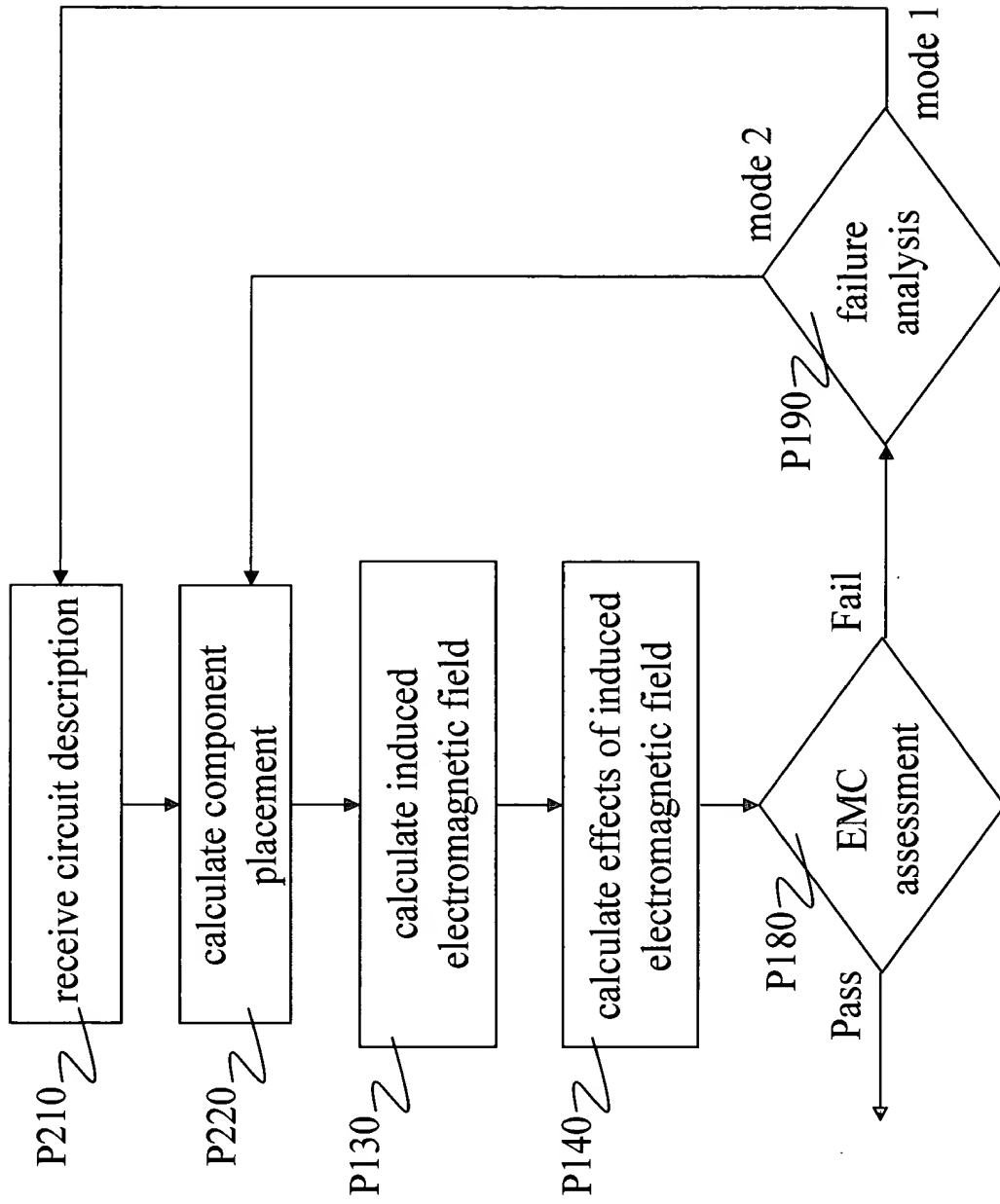


FIG. 77

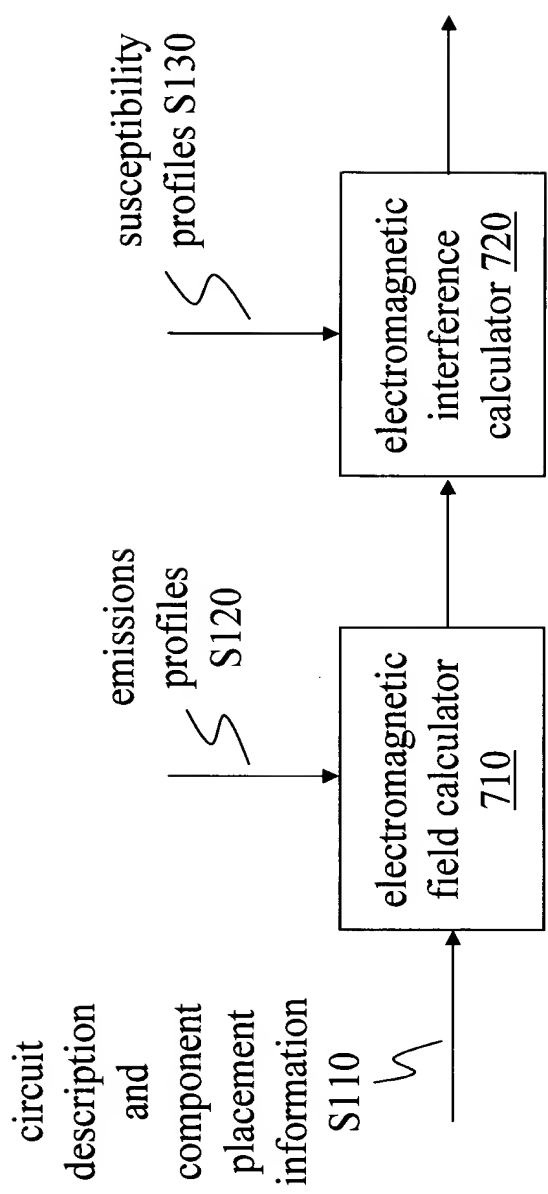


FIG. 78

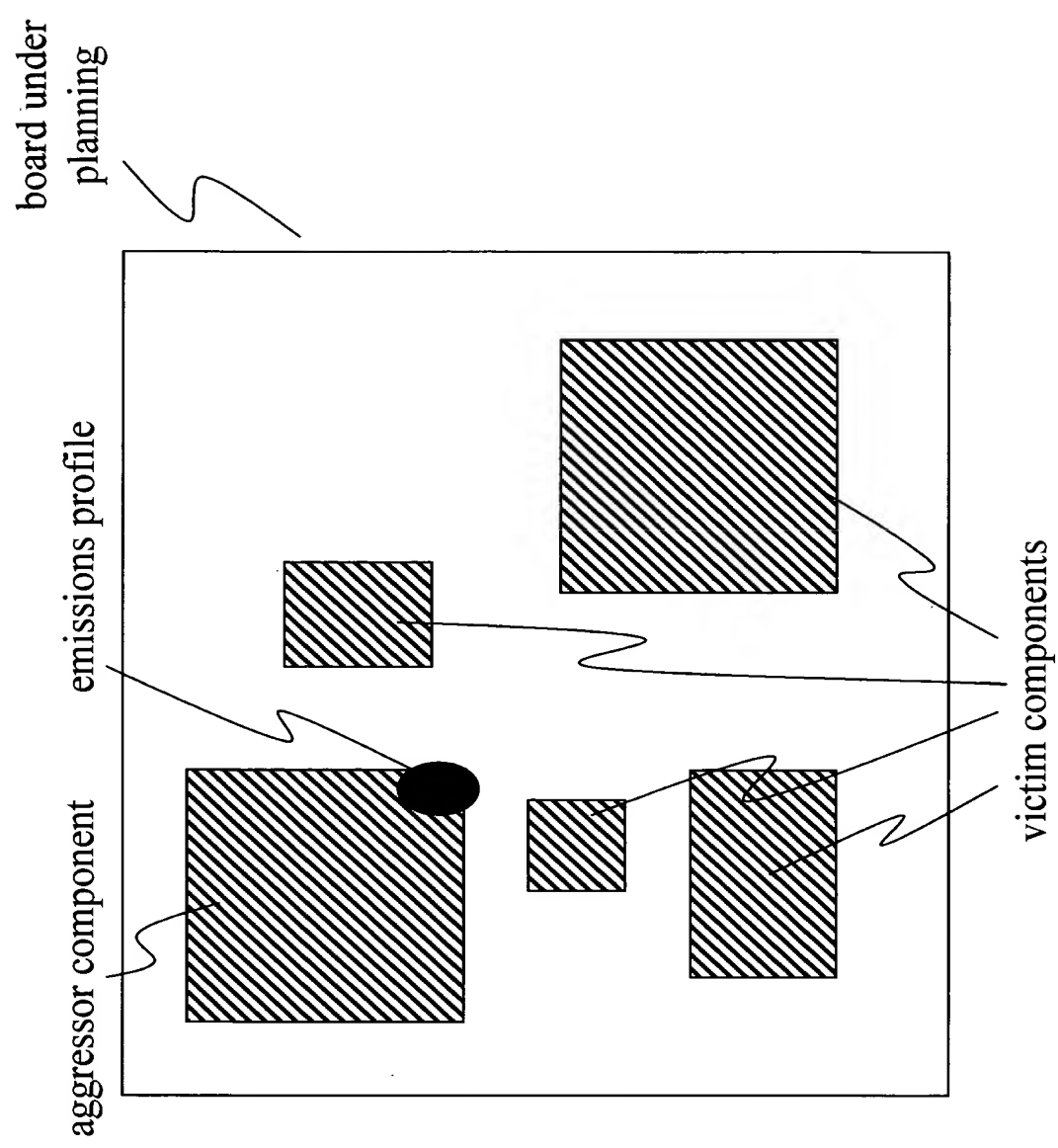


FIG. 79

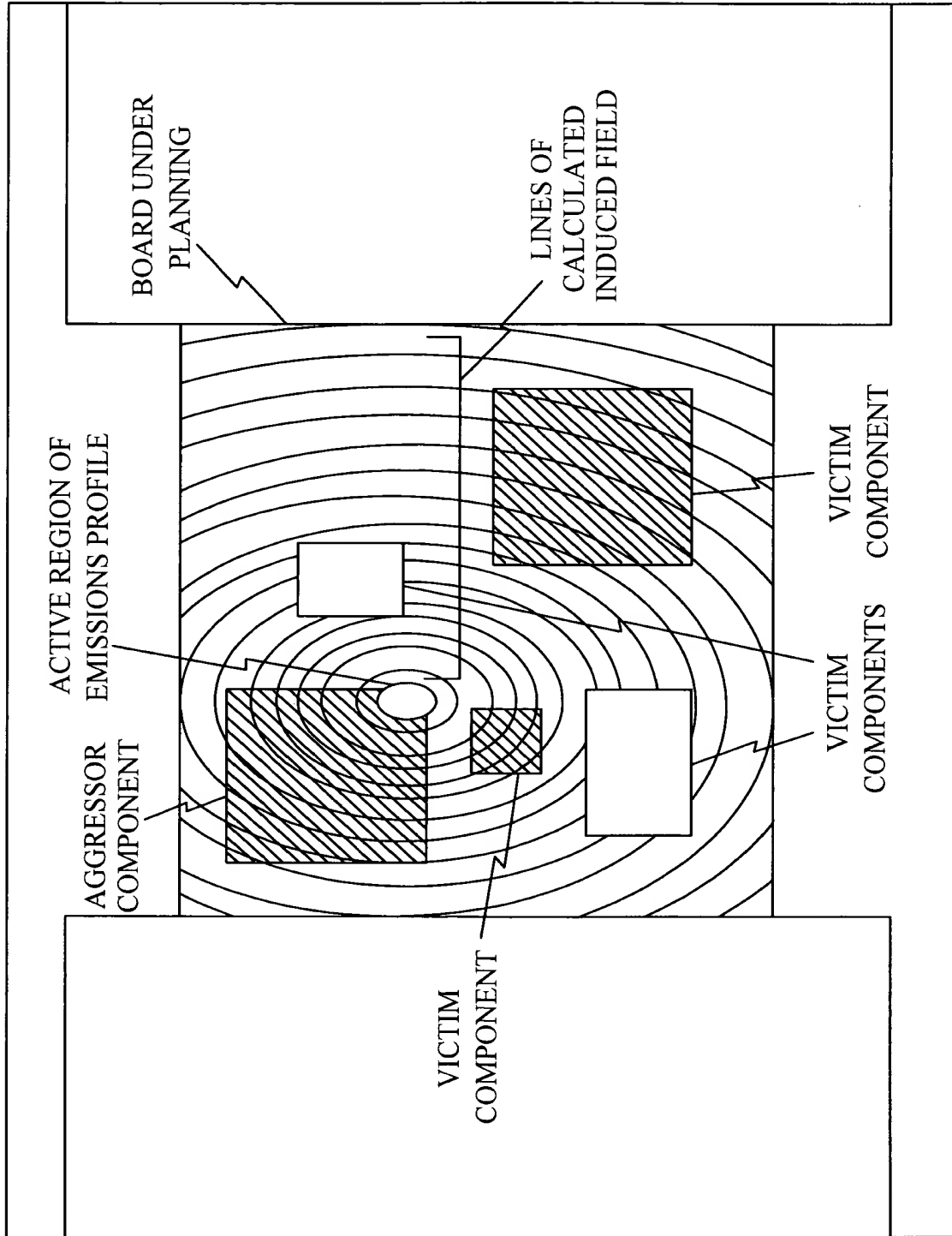


FIG. 80

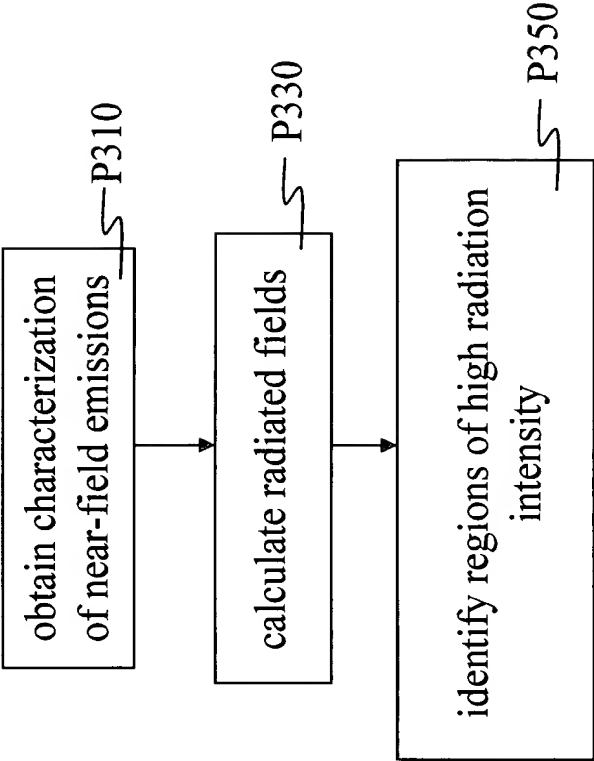


FIG. 81

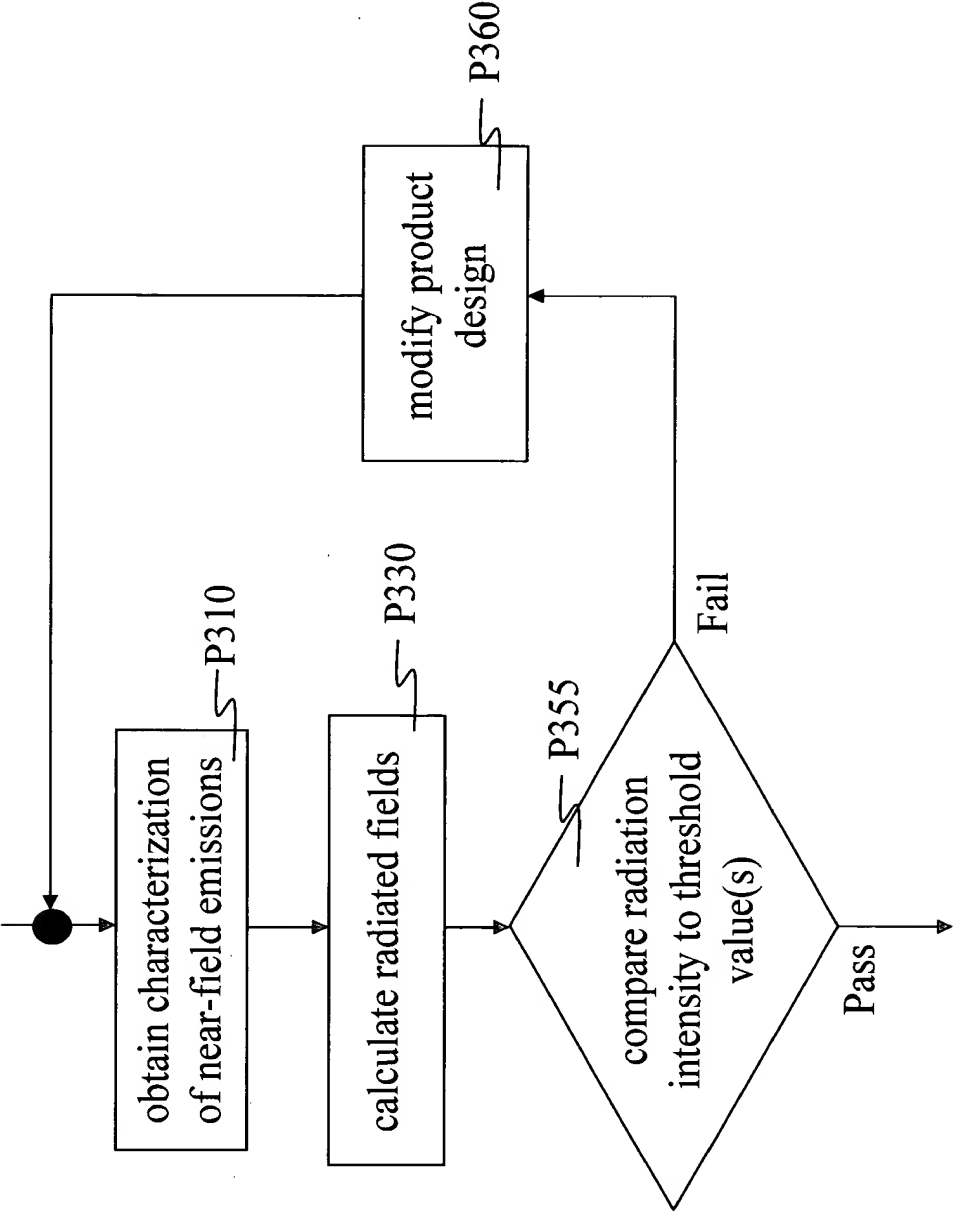


FIG. 82

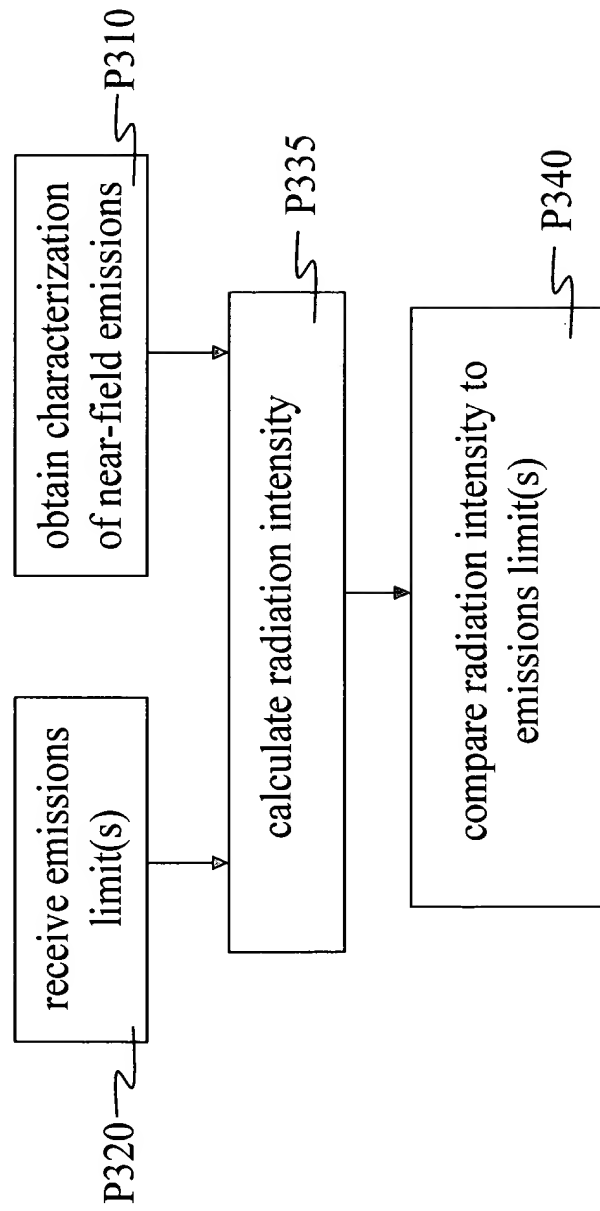


FIG. 83

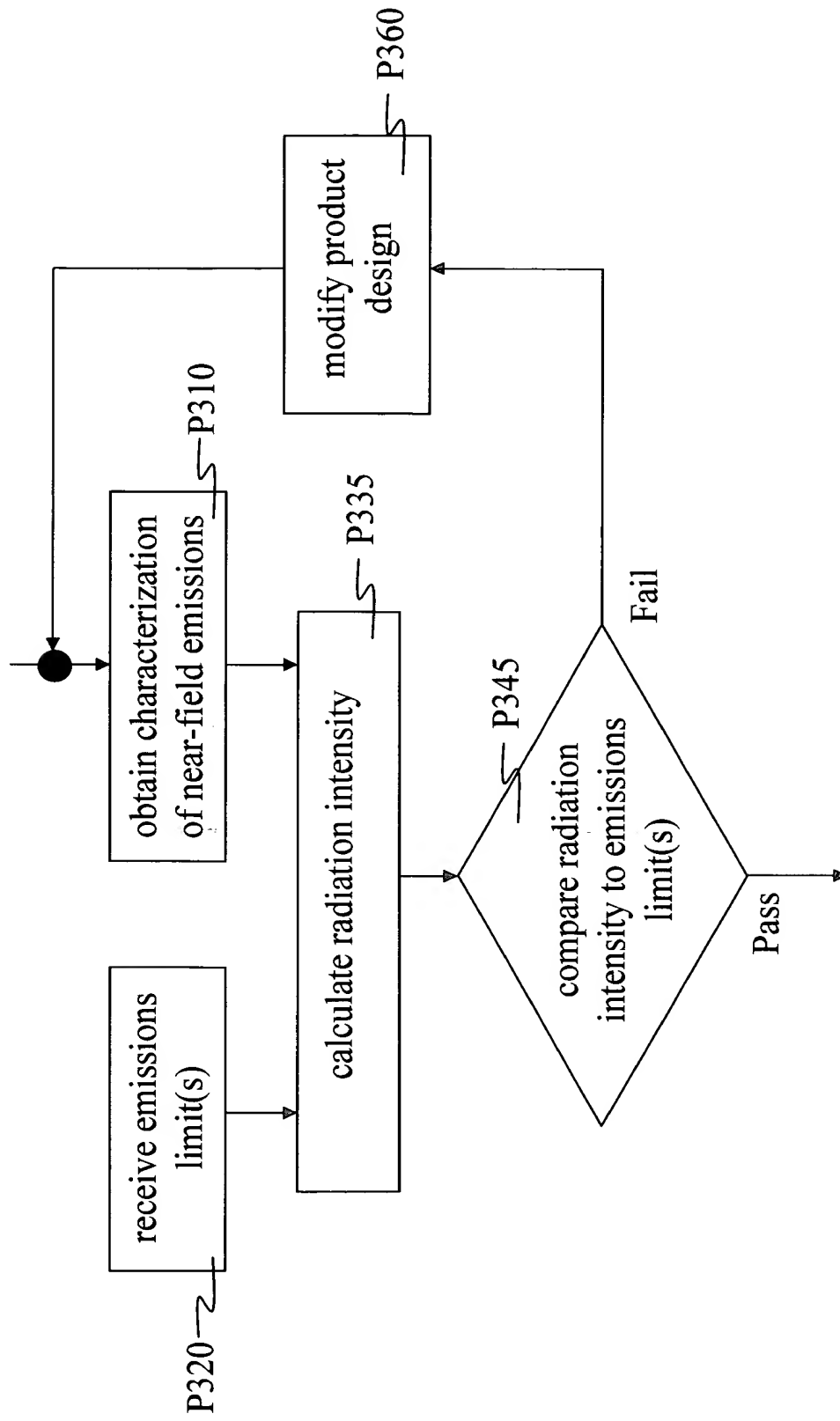


FIG. 84



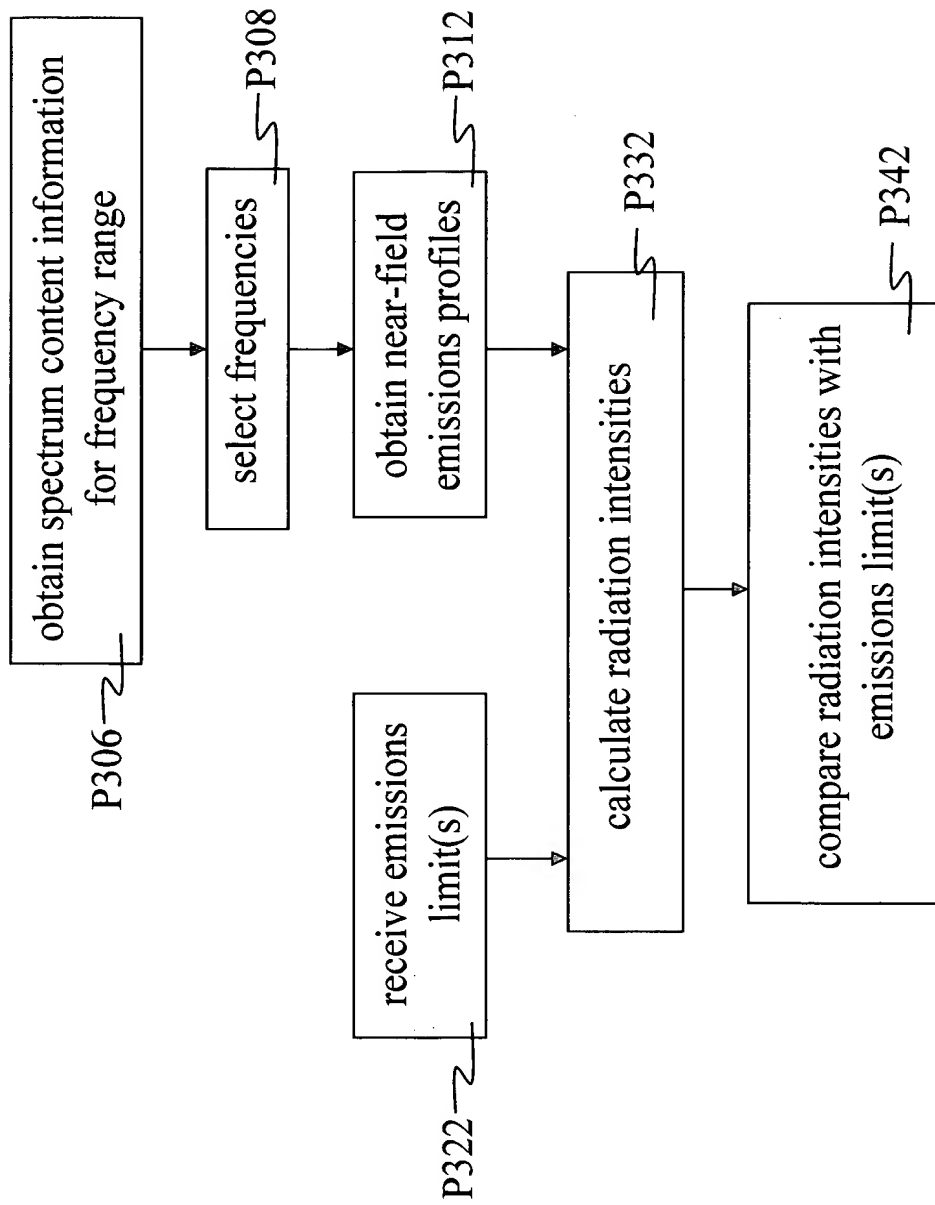


FIG. 85

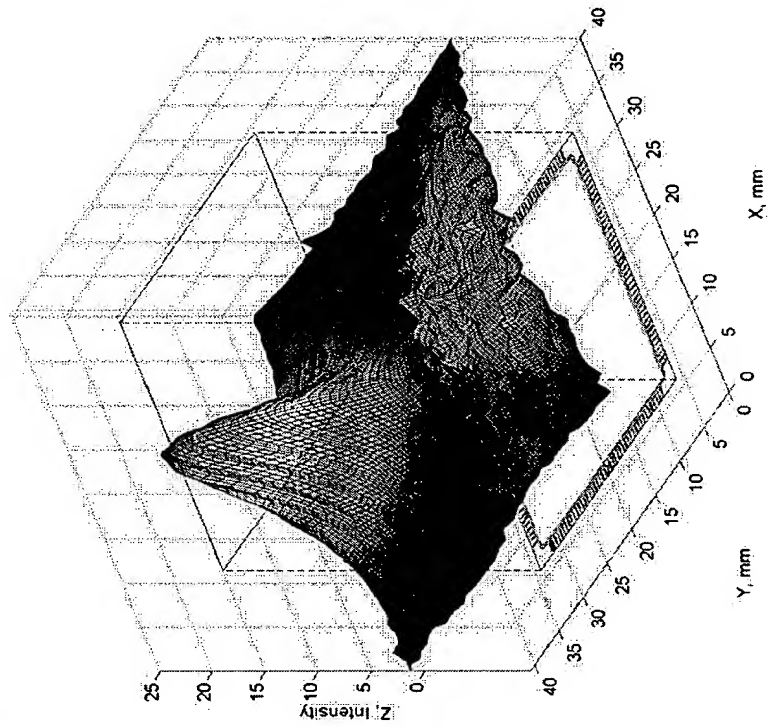
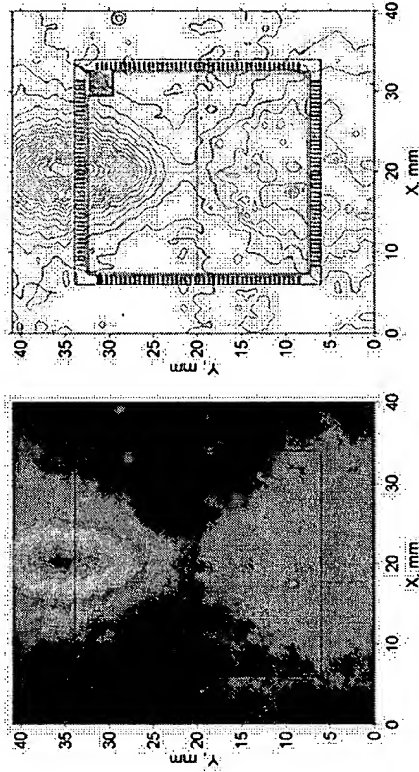
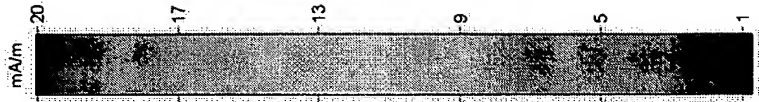
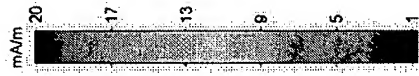


FIG. 86

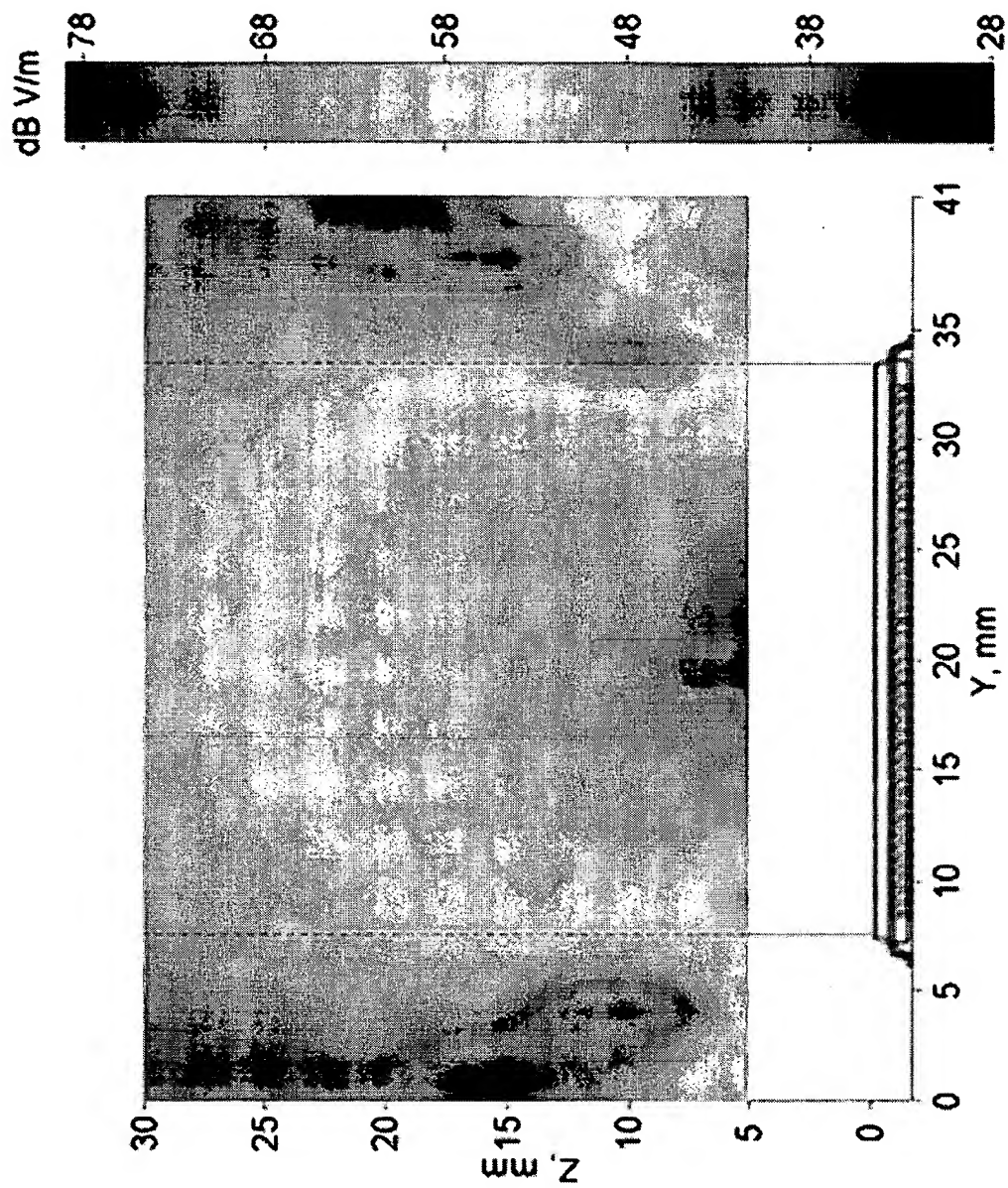


FIG. 87

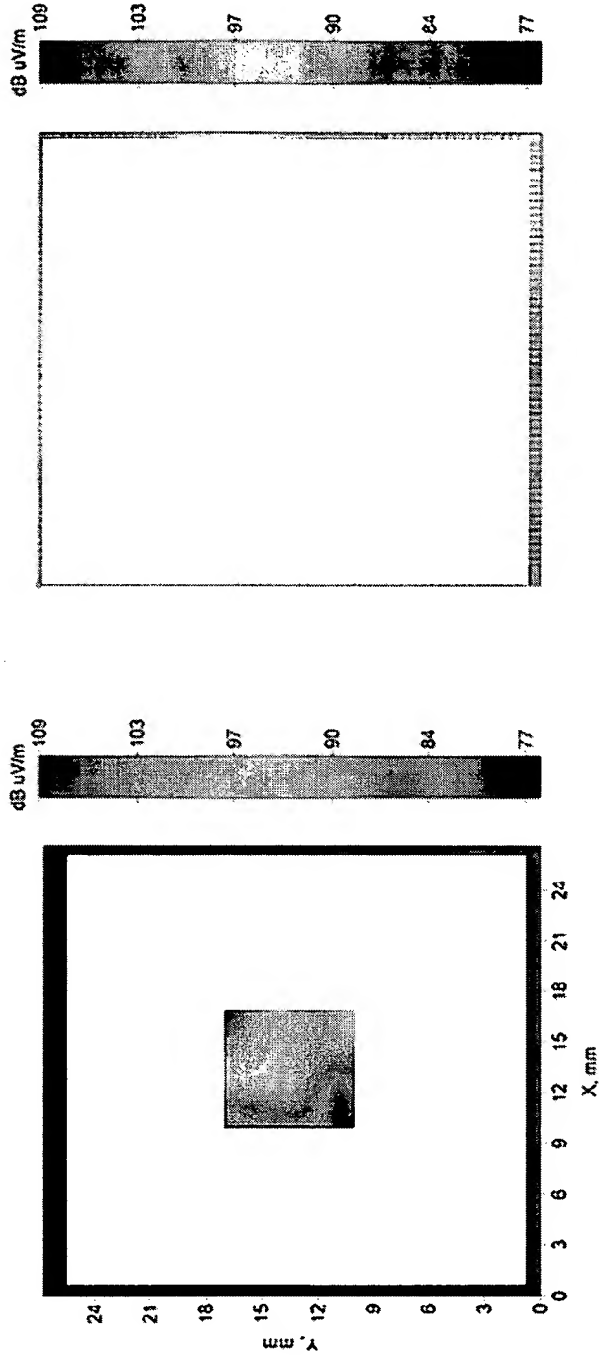


FIG. 88

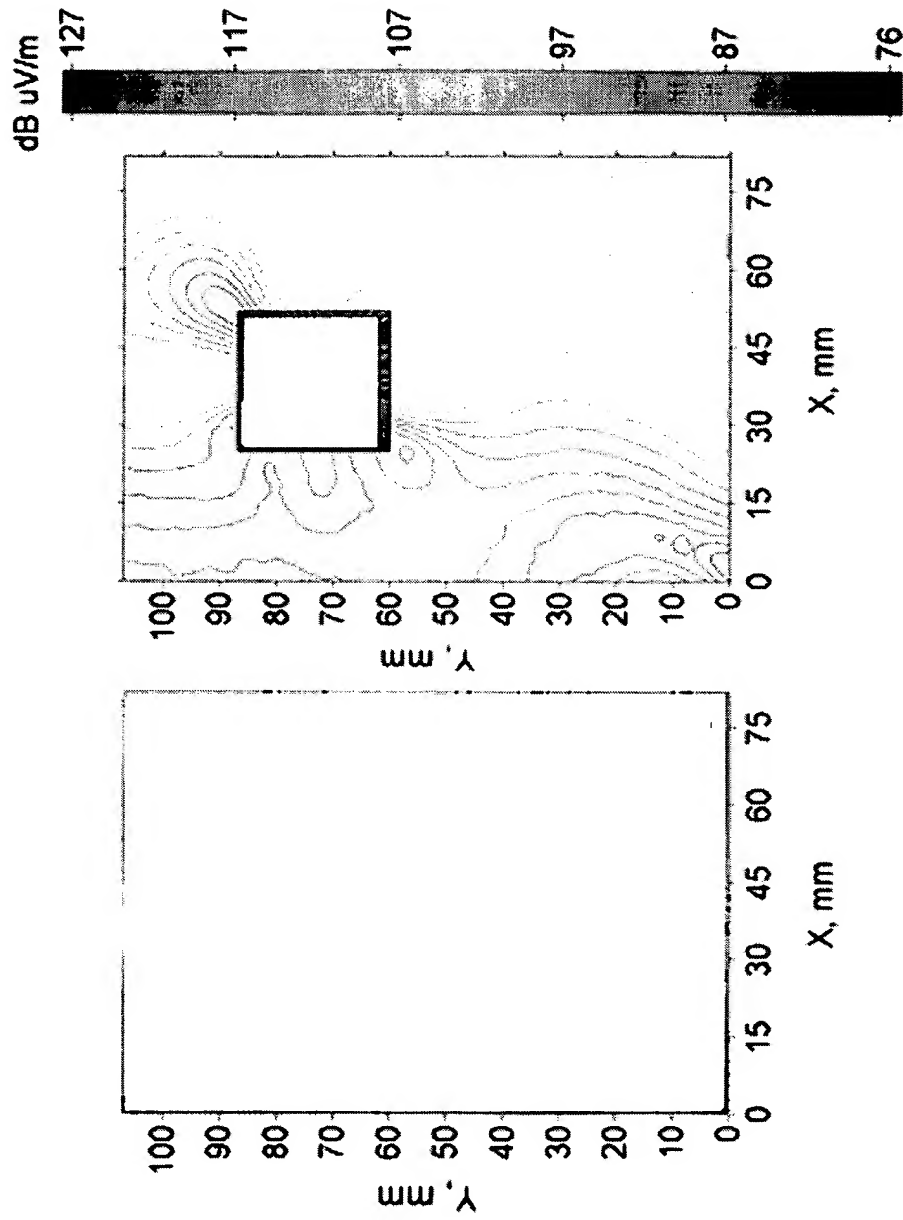


FIG. 89

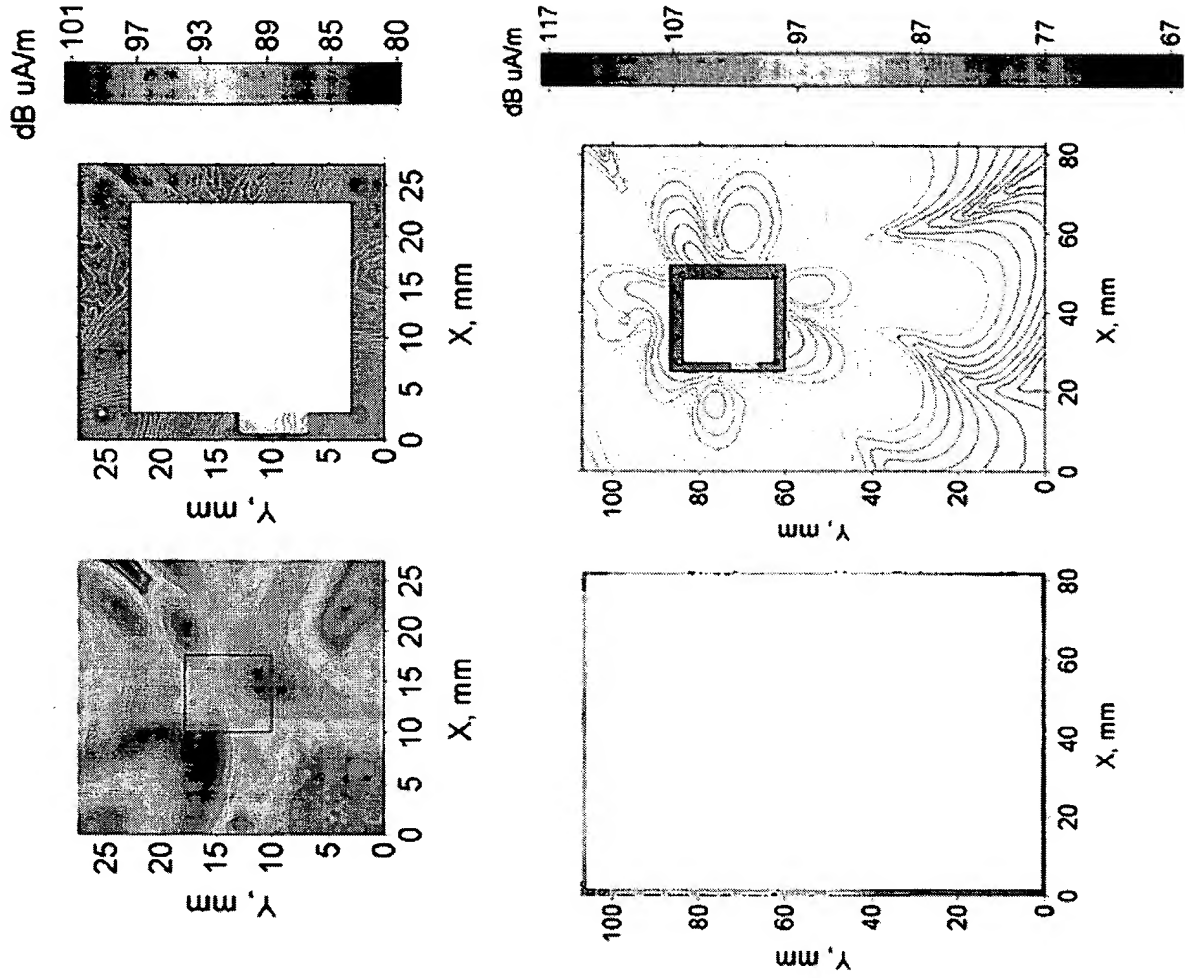
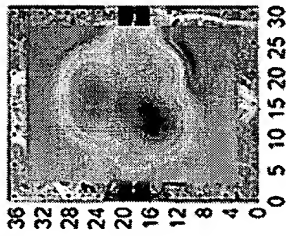
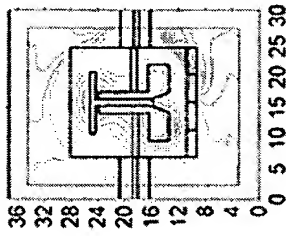
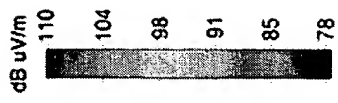
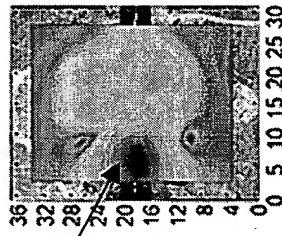
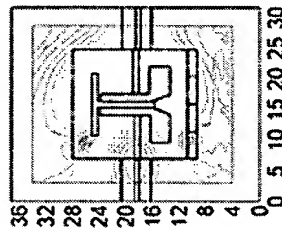
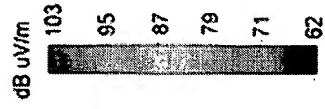


FIG. 90



A: Functional Filter,  
1900MHz



Substrate Fracture  
Area

B: Defective Filter,  
1900MHz

FIG. 91

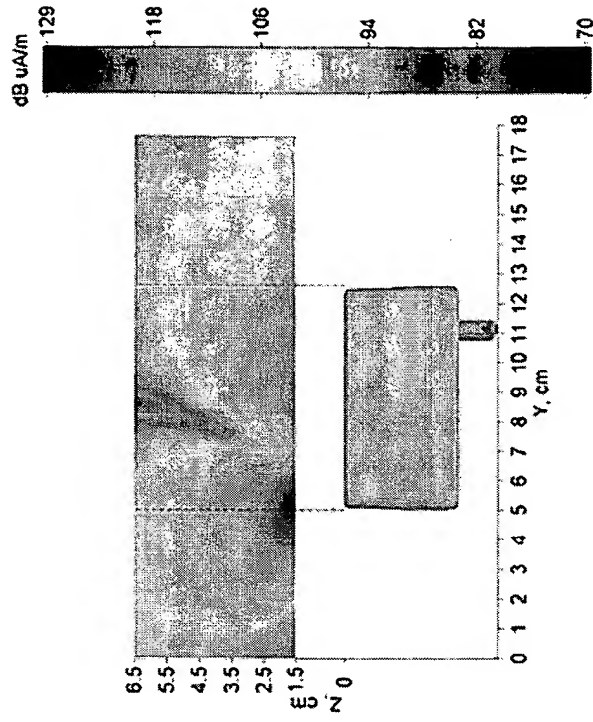
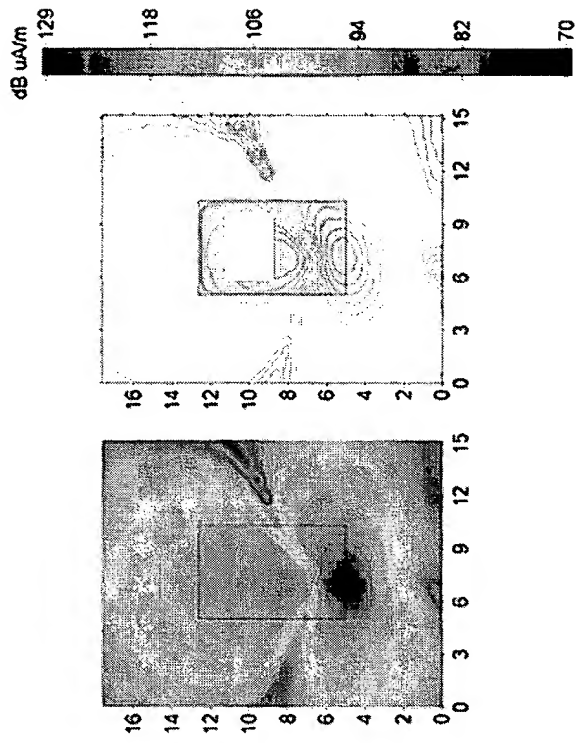


FIG. 92





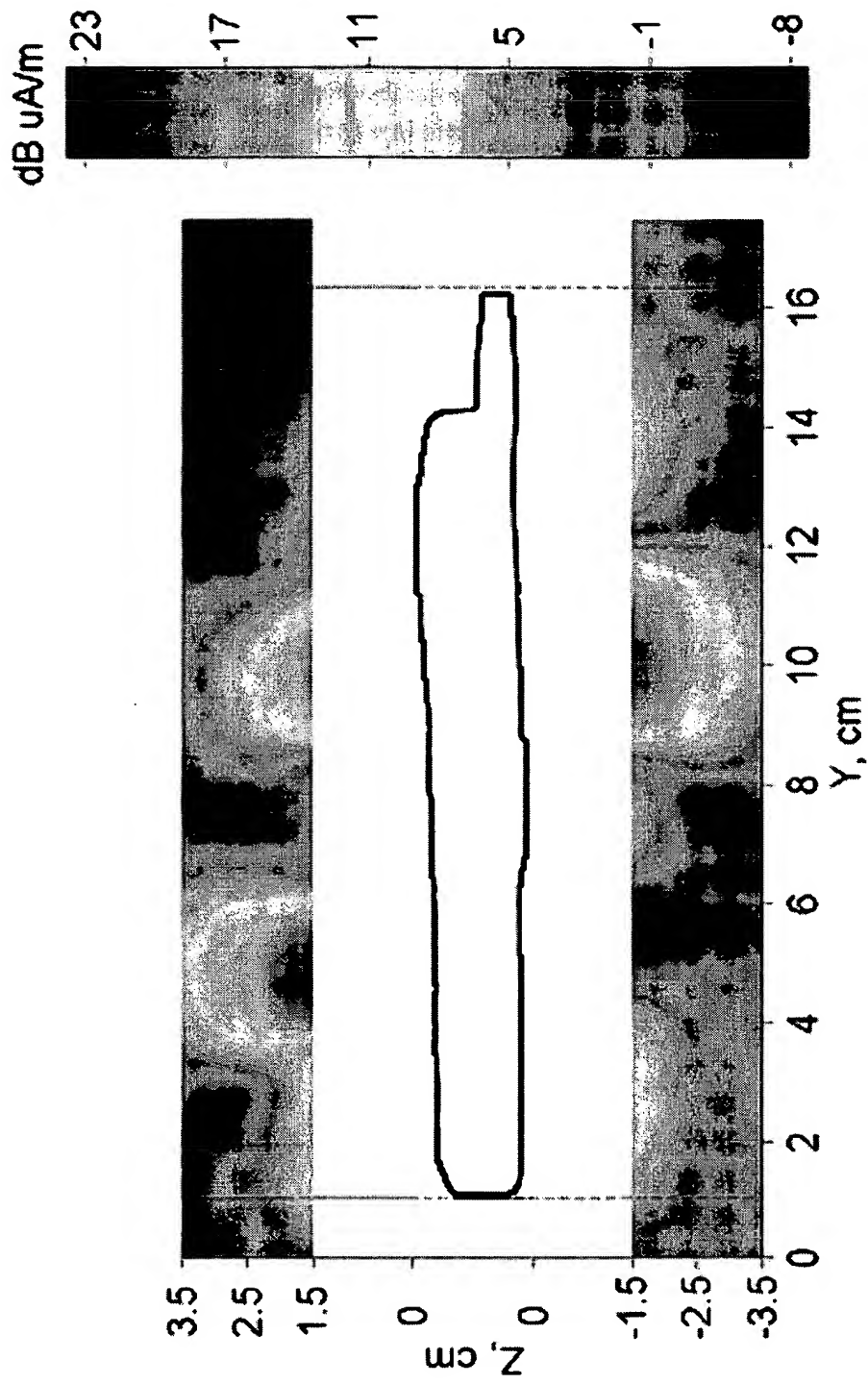


FIG. 93

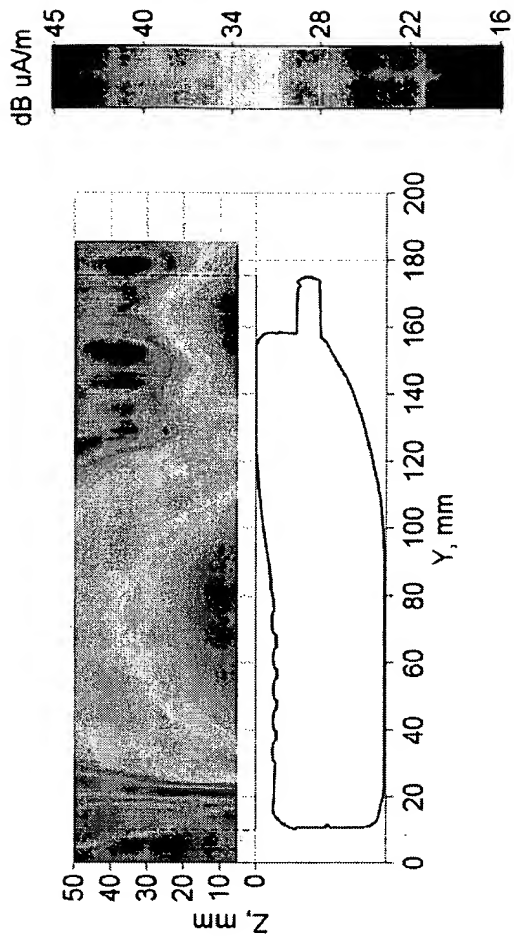
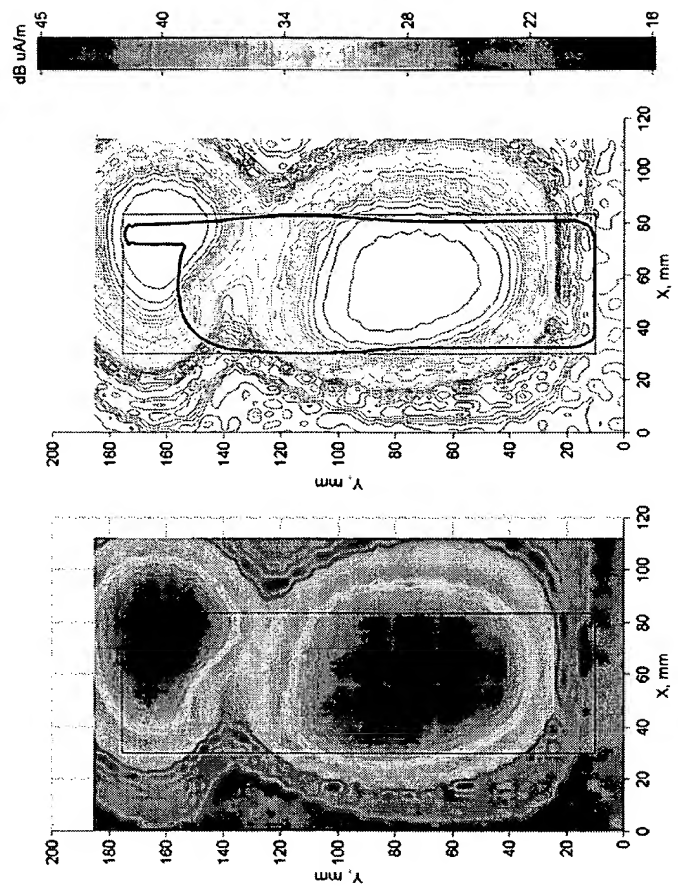


FIG. 94



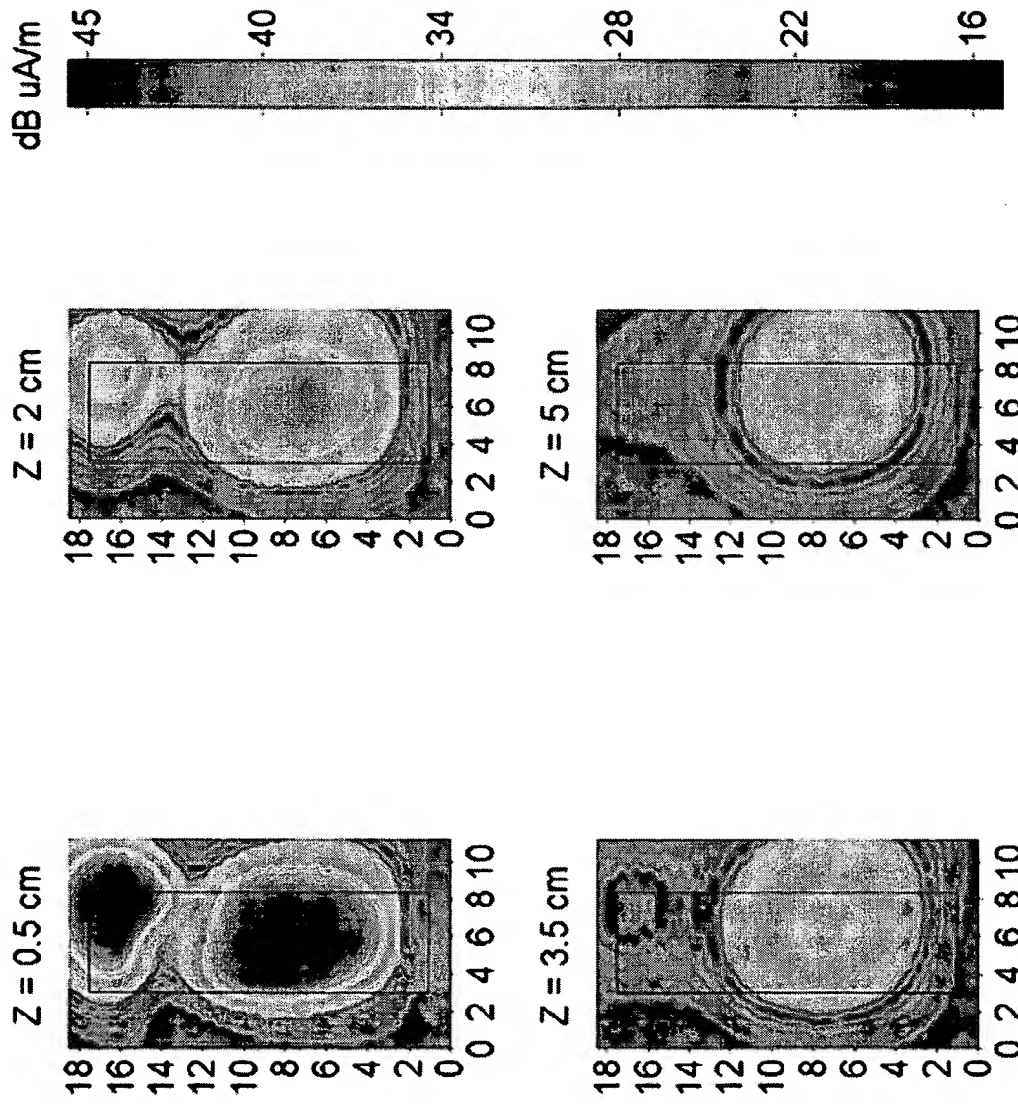


FIG. 95

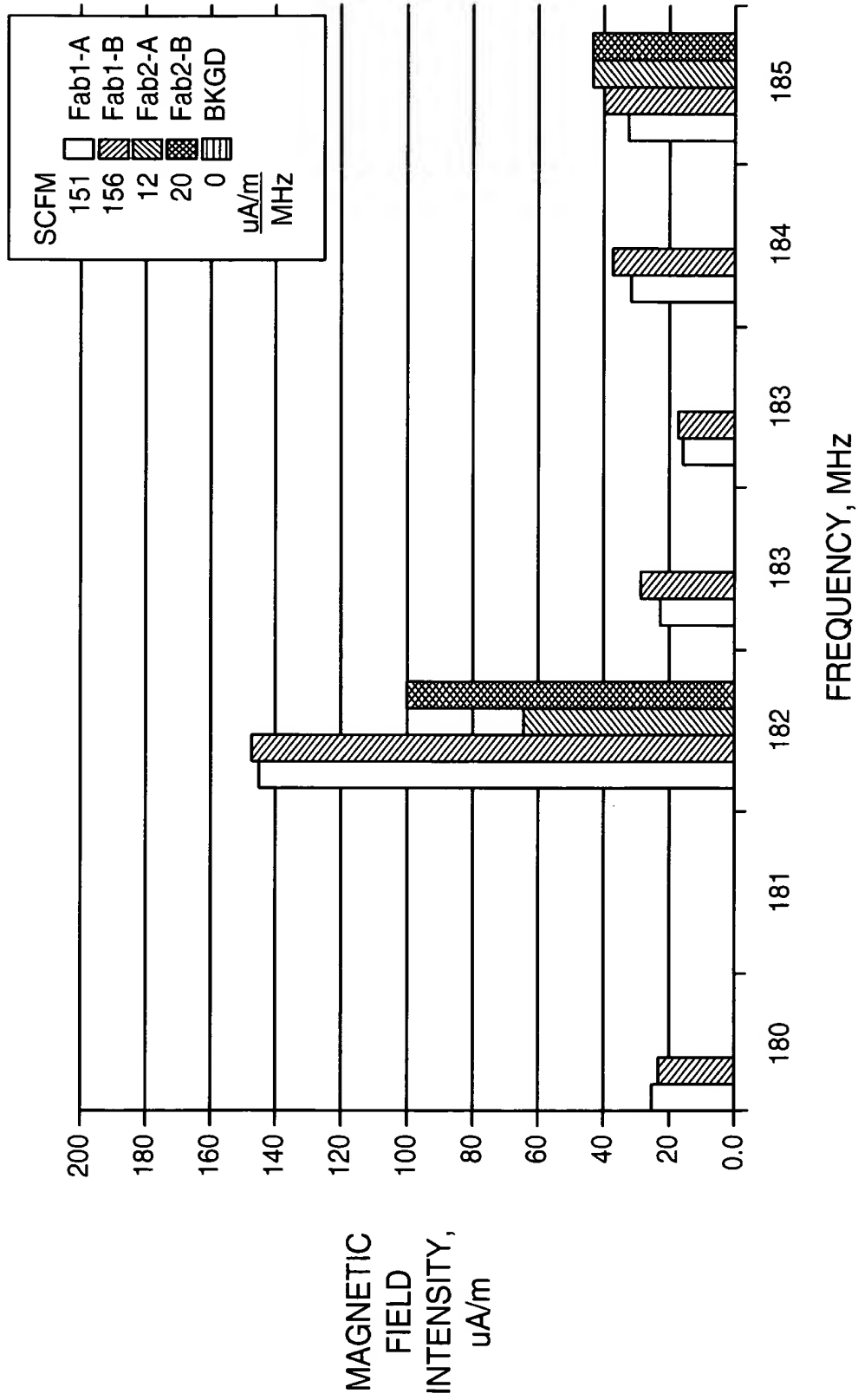


FIG. 96

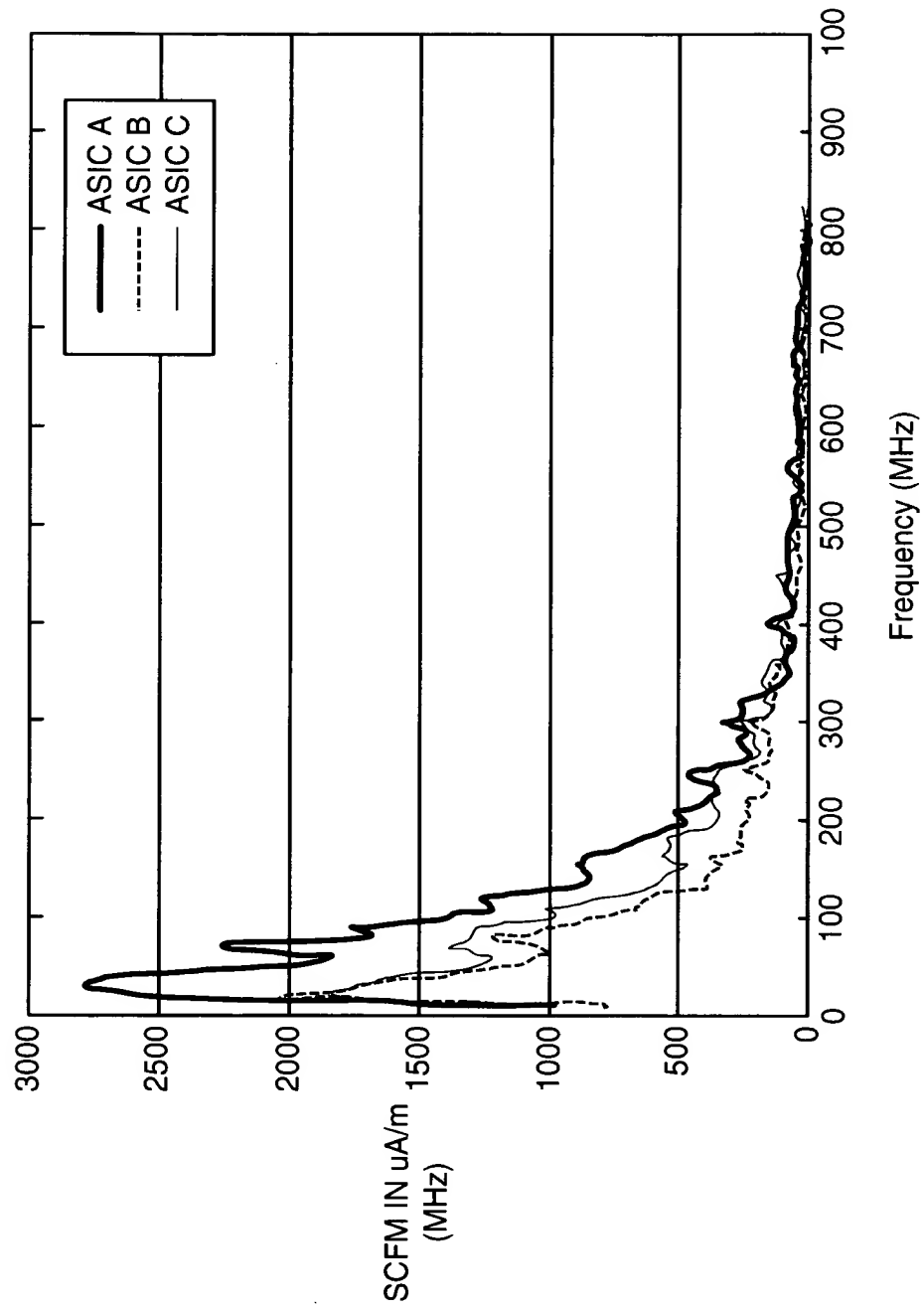


FIG. 97

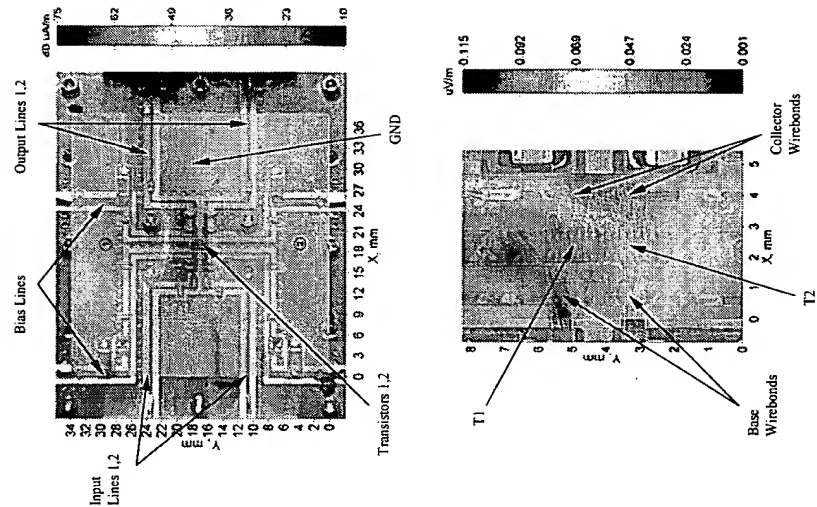


FIG. 98

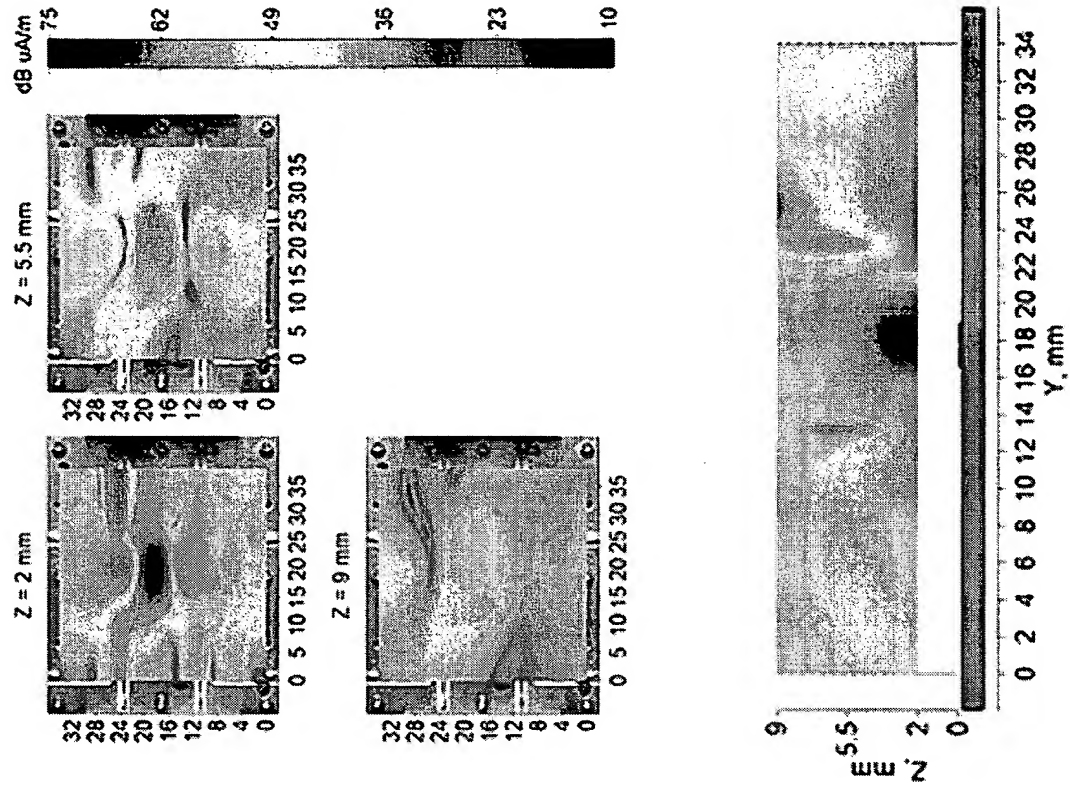


FIG. 99

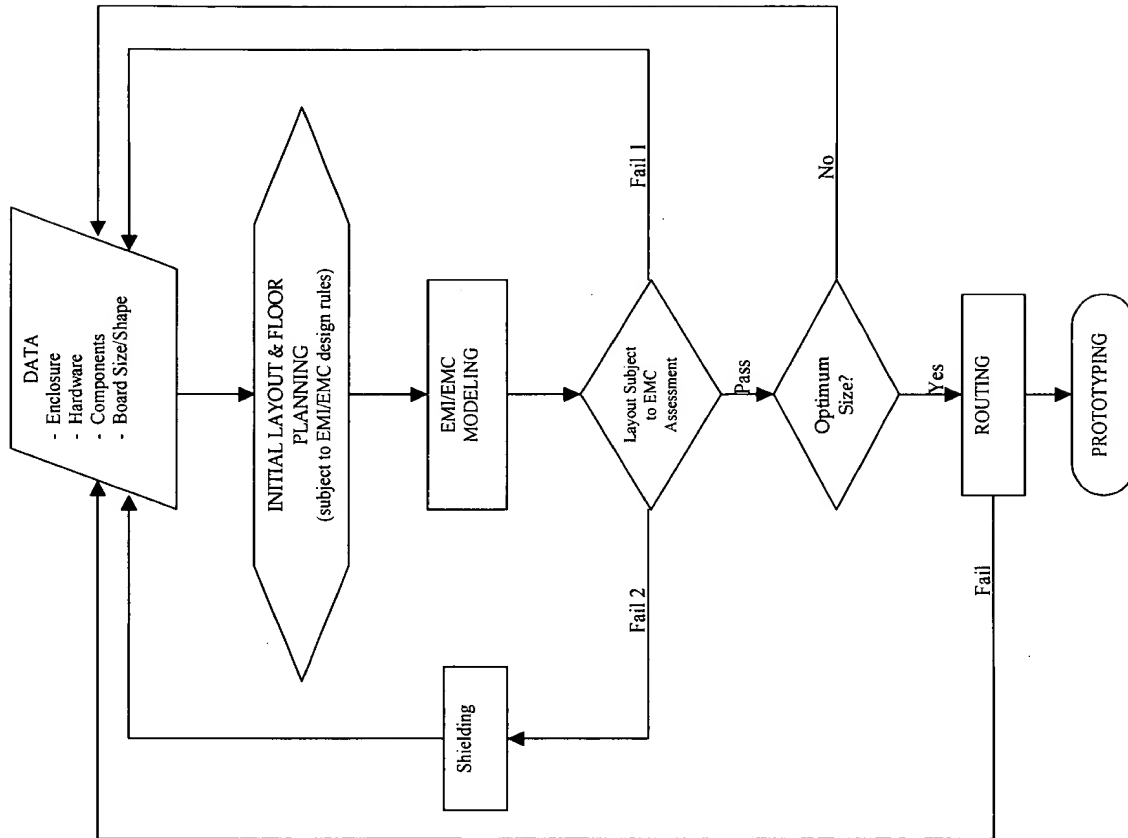


FIG. 100